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LANDSCAPE MANAGEMENT

SERVING GOLF AND LANDSCAPE PROFESSIONALS

BUYERS' GUIDE 1991

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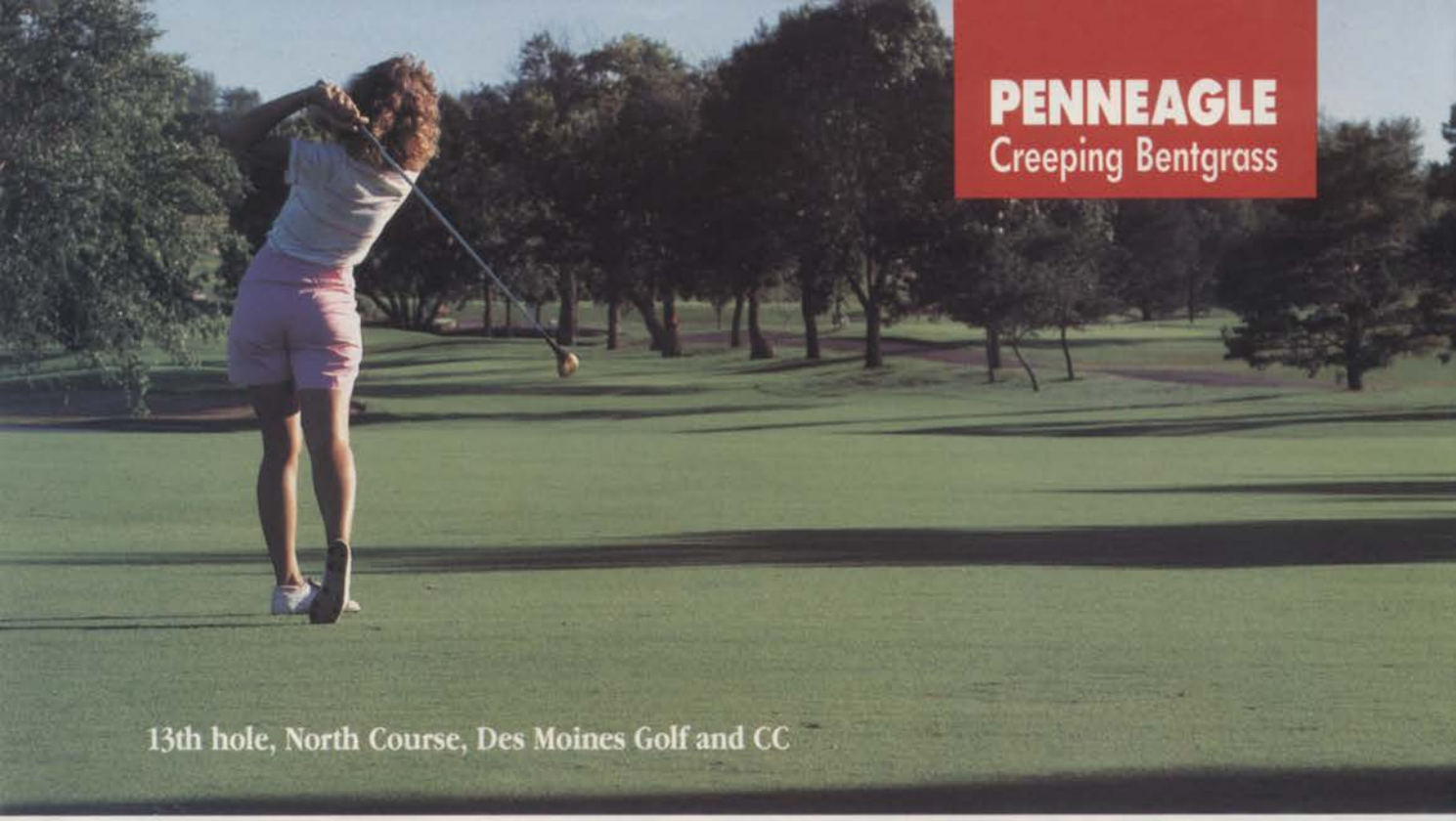

13th hole, North Course, Des Moines Golf and CC

"SINCE WE REPLACED OUR BLUEGRASS FAIRWAYS WITH PENNEAGLE, PLAYER SATISFACTION IS UP 500%"

Bill Byers completely renovated all 36 fairways at Des Moines Golf and CC over a period of three years ... nine in 1985, nine in 1986 and the remainder in 1987.

Three days after spraying the existing bluegrass/Poa annua fairways with a non-selective herbicide, Penneagle was slit-seeded into the surface. When play resumed in seven days, members had the option of playing from the germinating fairways or taking a drop in the rough.

Bill finds that lightweight mowing keeps the Poa population in control. "I used the clippings for garden mulch one year, that resulted in a terrific stand of Poa. This illustrates the effectiveness of removing clippings and seed heads."

Overall, the new Penneagle fairways require less water than trying to maintain the old bluegrass/Poa fairways, and Penneagle proved to be drought tolerant during the dry summers.

"Bentgrass fairways are in demand in our area. Other courses in Des Moines have made the switch," says Bill, "And we find that our player satisfaction is up 500%."

Bill Byers, CGCS
Des Moines Golf and CC, Iowa

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SEPTEMBER 1990, VOLUME 29, NUMBER 9

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LANDSCAPE MANAGEMENT (ISSN 0894-1254) is published monthly by Edgell Communications, Inc. Corporate and Editorial offices: 7500 Old Oak Boulevard, Cleveland, Ohio 44130. Advertising Offices: 7500 Old Oak Boulevard, Cleveland, Ohio 44130, 233 North Michigan Avenue, 24th Floor, Chicago, Illinois 60601 and 3475 Lenox Road, N.E., Suite 665, Atlanta, Georgia 30326. Accounting, Advertising Production and Circulation offices: 1 East First Street, Duluth, Minnesota 55802. Subscription rates: $25 per year in the United States: $50 per year in Canada. All other countries: $100 per year. Current issue single copies (pre-paid only): $2.50 in the U.S.; $5.00 in Canada; elsewhere $10.00; add $3.50 per order for shipping and handling. Back issues, if available, $10; add $3.50 per order for shipping and handling (pre-paid orders only). Office of publication: Edgell Communications, Inc., 1 East First Street, Duluth, Minnesota 55802. Second class postage paid at Duluth, Minnesota 55806 and additional mailing offices. Copyright© 1990 by Edgell Communications, Inc. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical including photocopy, recording, or any information storage and retrieval system, without permission in writing from the publisher.

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AS I SEE IT...

Striking back at industry's 'good friends'

Our "good friends," the environmental activists, just won't give us a break, will they?

If events in northern Ohio are any indication of what's happening around the country, the lawn and landscape industry still has a lot of public relations work remaining.

The most recent abomination to appear in this part of the country was an editorial in the Cleveland Plain Dealer emblazoned with the headline "Watch out for toxic lawns" in no less than 48-point type. The author was identified as Kim Hill, a self-proclaimed "environmental activist" who, for years, has been a thorn in the side of the Ohio Pesticide Applicators for Responsible Regulation (OPARR).

About once a year, the outspoken Mr. Hill dredges up every conceivable piece of bad publicity the pesticide industry has endured since 1980, and assembles an article for the PD or any other such mass disseminator of information irresponsible enough to publicly air his distorted claims.

In the "toxic lawn" article, Hill resurrected the case of Navy Lt. George Prior, the National Cancer Institute's Kansas study, non-Hodgkins lymphoma, Agent Orange, diazinon waterfowl kills and—of course—the ghost of Spike the English bulldog.

The article concluded with this:

"Thousands of miniature Spikes now stand guard on poisoned lawns all across Ohio, warning of the danger. The ghost dog on each sign silently accuses the thoughtless people who order lawn chemicals, applicators who spread the poisons, and companies that threaten our health for financial gain."

This blatant emotional appeal aside, the article's bigger threat came from the author's failure to paint the entire picture in almost every instance.

So this intrepid editor—a self-proclaimed "environmental activist" in his own right—journeyed into the nether world of newspapers where, in another life, he once claimed a rightful spot and even won a few awards for his reporting and writing.

A three-and-a-half page letter refuting and clarifying every point of contention made by the illustrious Mr. Hill was written. To insure its validity, I enlisted the help of Elliot Maras, former editor of LAWN CARE INDUSTRY magazine, and Paul Skorupa of the Pesticide Public Policy Foundation (PPPF).

Five days after it was placed in the mail, I phoned the paper to see if, possibly, perchance, my letter would ever see the light of day again.

My phone call was answered with a recording: *"Hope we haven't left you on hold so long that it seems like you've drifted out to sea..."*

(To be continued)

Jerry Roche

Jerry Roche, executive editor

LM

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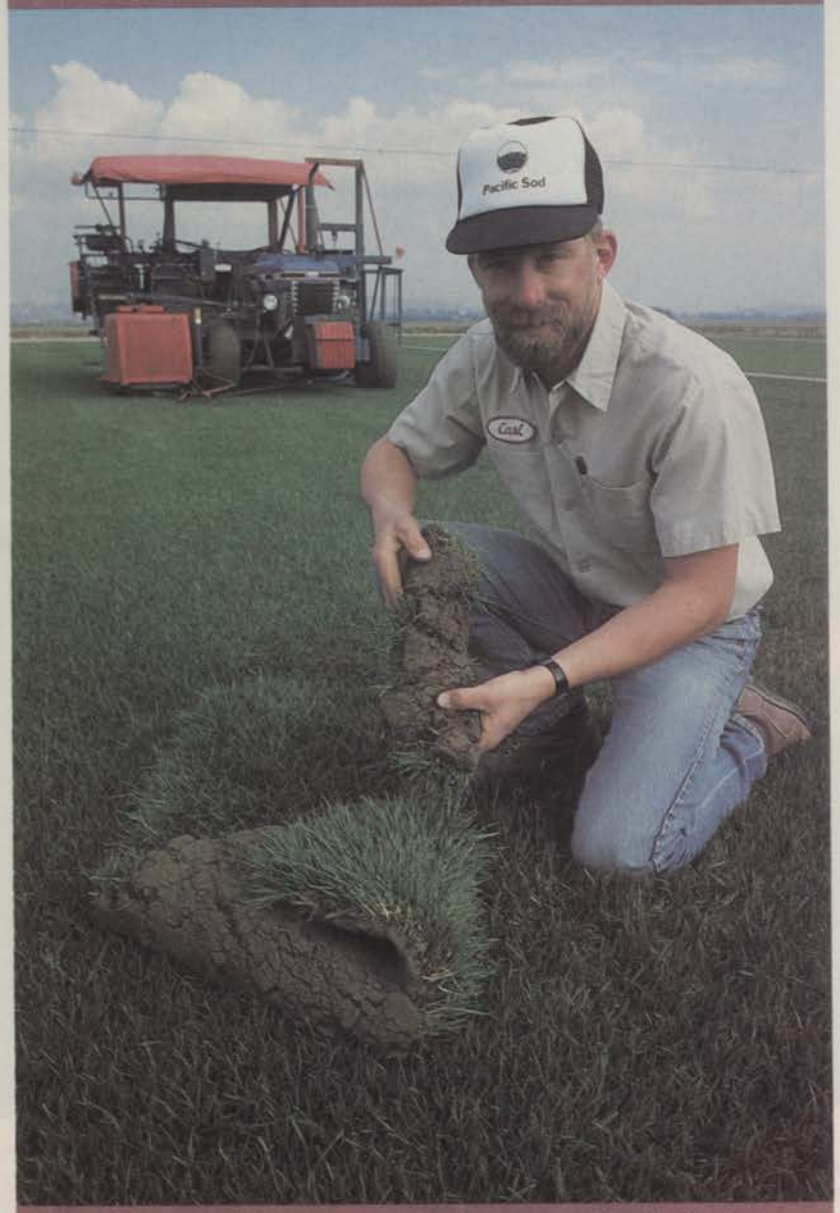

Carl Aebersold, harvesting crew foreman at Pacific Sod, Camarillo, CA, is pleased with the above-, and below-surface performance of dwarfer Monarch turf-type tall fescue.

Quality Turf-Seed varieties developed and produced for turf professionals.

Species	Variety
Improved turf-type Kentucky Bluegrass	**Challenger** **Columbia** **Midnight** **Galaxy blend**
Imp. Common Ky.	**Voyager**
Improved turf-type perennial ryegrass	**Birdie II** **Charger** **Citation II** **Manhattan II** **Omega II** **Remington** **Saturn** **Alliance blend** **CBS II blend**
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Improved Sheeps fescue	**Bighorn**
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Improved tall fescue	**Apache** **Bonanza** **Eldorado** **Monarch** **Murietta** **Olympic** **Silverado** **Triathalawn blend**
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Creeping bentgrass blend	**Pennway**

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For best results, thoroughly irrigate prior to treatment. Follow your application by watering in to a depth of 1 to 1½ inches.

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When you have grub control this effective, you have grounds to celebrate.

DYLOX controls armyworms, bagworms, and stink bugs on your trees, shrubs, and flowers as well as controlling cutworms and sod webworms on your turf.

OFTANOL also controls billbugs, cutworms, chinch bugs, Hyperodes weevil, and sod webworms.

To identify grub populations, look for patches of wilted, dead or dying turf. Grub-infested turf has pruned roots which make it easy to pull back like carpet.

Some of the most celebrated courses in the country turn to Mobay products for *grub protection*.

For preventative treatment, there's OFTANOL® Insecticide. It controls *grubs* longer than any other product available. Apply it in the spring before *grubs* show up. After all, spring rains and temperatures can mask a *grub* problem.

Or apply a pre-damage application of OFTANOL when *grub eggs* hatch and activity begins (usually right after a drought-breaking rain in the early fall). But only apply OFTANOL once a year. If you've already used it in the spring, treat with DYLOX® Insecticide.

Of course, if grub damage turns up, apply DYLOX followed by heavy watering. DYLOX controls *grubs* in as little as 24 to 48 hours.

For more information, contact your Mobay distributor or Mobay sales representative. They can help you make your turf look great. And that makes you look great. Which is cause enough to celebrate.

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GREEN INDUSTRY NEWS

SEPTEMBER 1990, VOLUME 29, NUMBER 9

LANDSCAPE MANAGEMENT

GOLF

Is golf course construction heading for a slowdown?

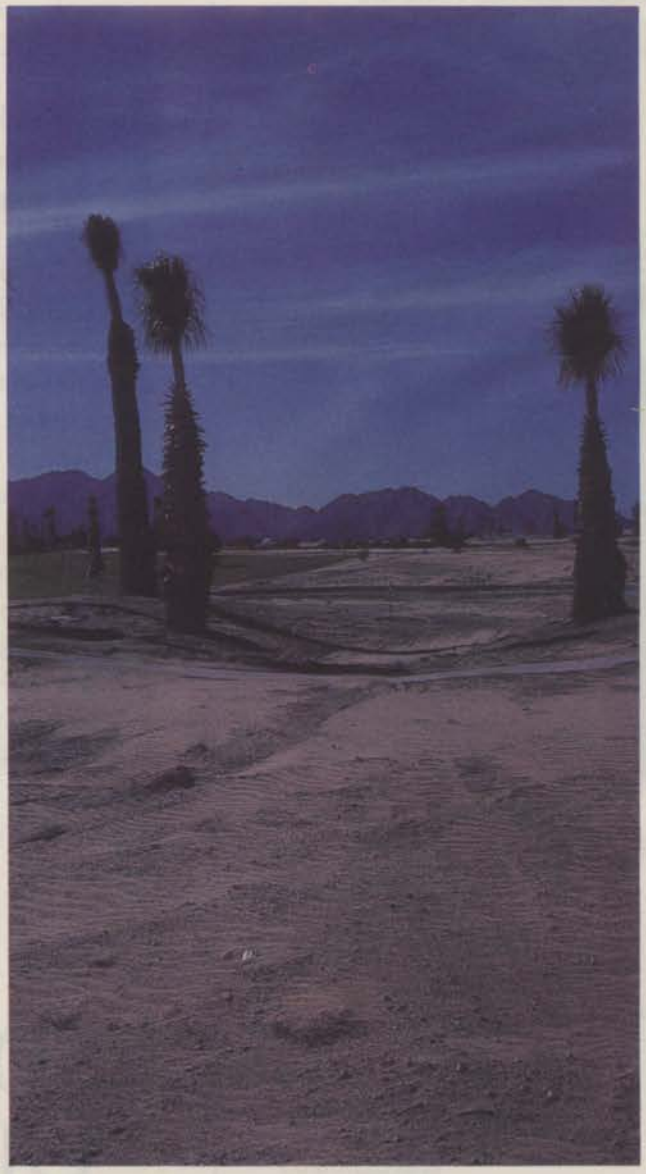
Despite a goal set forth by the National Golf Foundation of building one new golf course every day in the U.S. to meet golfer demands, the golf course construction market could be softening a bit.

According to The Lannert Group of St. Charles, Ill., hyperinflated land prices and the tightened availability of money for financing may well herald a swan song for sprawling large residential developments, especially those built around golf courses.

"This is the current situation, even though the game of golf is so popular that courses can't be built quickly enough to keep up with demand," says J. Christopher Lannert. But he says that, in coming months, relatively few developers will be able to buy land to build golf courses, with or without the residential aspect.

"The type of large-scale development that has been fueling the economy and inflating land prices is currently dying out," he notes. "This is occurring because of high land costs, inflationary interest rates and municipal and county approvals that take too long.

"In the future, we'll generally see more phase-by-phase developments. It simply is too difficult for the individual developer to get a $20 million land loan to finance his large-scale golf course project."



Lack of affordable land and high interest rates may put construction like this in Palm Desert, Calif., in jeopardy.

News from the American Society of Golf Course Architects is also on the pessimistic side. In a recent environmental impact survey by the organization, 39 of 40 firms indicated that they had experienced difficulties in obtaining permits for projects because of environmental concerns by governmental agencies.

"This survey vividly demonstrates the impact that environmental concerns have on the golf industry," says ASGCA president Dan Maples, "and the need for the industry to work with key agencies to develop mutually-acceptable guidelines that will be interpreted uniformly throughout the country."

Fifty-six percent of the ASGCA member firms cited wetlands as the primary problem they encountered in the permitting process. Other areas of concern were habitat, nitrates/chemical contamination, groundwater protection and pesticide use.

The ASGCA survey also determined that new golf course projects have experienced the most delays because of objections by the Corps of Engineers. Local planning commissions were also cited as bot

continued on page 12

PEOPLE

Dudeck joins LM advisors

CLEVELAND — A.E. Dudeck, Ph.D., has been added to LANDSCAPE MANAGEMENT's Editorial Advisory Board, replacing Dr. Robert Shearman, who resigned when the University of Nebraska promoted him.

Dr. Dudeck has been professor of turfgrass science at the University of Florida's Institute of Food and Agricultural Sciences since 1974. Prior to that, he worked at the university's Agricultural Research and Education Center in Ft. Lauderdale and at the University of Nebraska with a federal roadside beautification grant.

Dr. A.E. Dudeck

At Florida, Dudeck's appointment is 60 percent research and 40 percent teaching. His specialties are turf breeding and selection, water quality/environmental and composting.

The new LM advisor earned his Ph.D. from Penn State University. □

PRODUCTS

New pesticides get label tests

WASHINGTON, D.C. — New control products designed for the landscape/nursery market are being considered for labels by the U.S. EPA.

They are Barricade preemergence herbicide, SAN 619 fungicide and Crusade insecticide. In a related action, the EPA has labeled Pennant pre-emergence herbicide for southern turf.

● Sandoz Crop Protection unveiled Barricade and SAN 619 at a series of product introduction seminars this summer.

Barricade (prodiamine) is the most active of all the dinitroaniline herbicides, says Dr. Tom Breggar of Sandoz, meaning that less of it will be needed to get weed control. It will feature long residual control of grasses and broadleaf weeds. It is expected to be registered for turf uses in 1991, says Mike Minford of Sandoz.

SAN 619 (cyprocon zole) is yet to given a trade name. It's a systemic fungicide for golf courses and commercial growing establishments. Initially, not all turf diseases will be on the label, but a more extensive label will be developed. It will reportedly come in a water-soluble, pre-measured packet that covers one acre.

● ICI Americas has begun a test program at golf courses nationwide for Crusade 5G. Crusade, which can be applied to both cool- and warm-season grasses, controls chinch bugs, sod webworms, earwigs, cutworms, white grub larvae, mole crickets and billbugs.

Product manager Greg Gergen anticipates full distribution for the 1991 season.

● Pennant's new label includes uses on bermudagrass, bahiagrass, St. Augustinegrass and centipedegrass. It controls yellow nutsedge, crabgrass, goosegrass and many other broadleaf and grassy weeds. □

NEWS BRIEFS

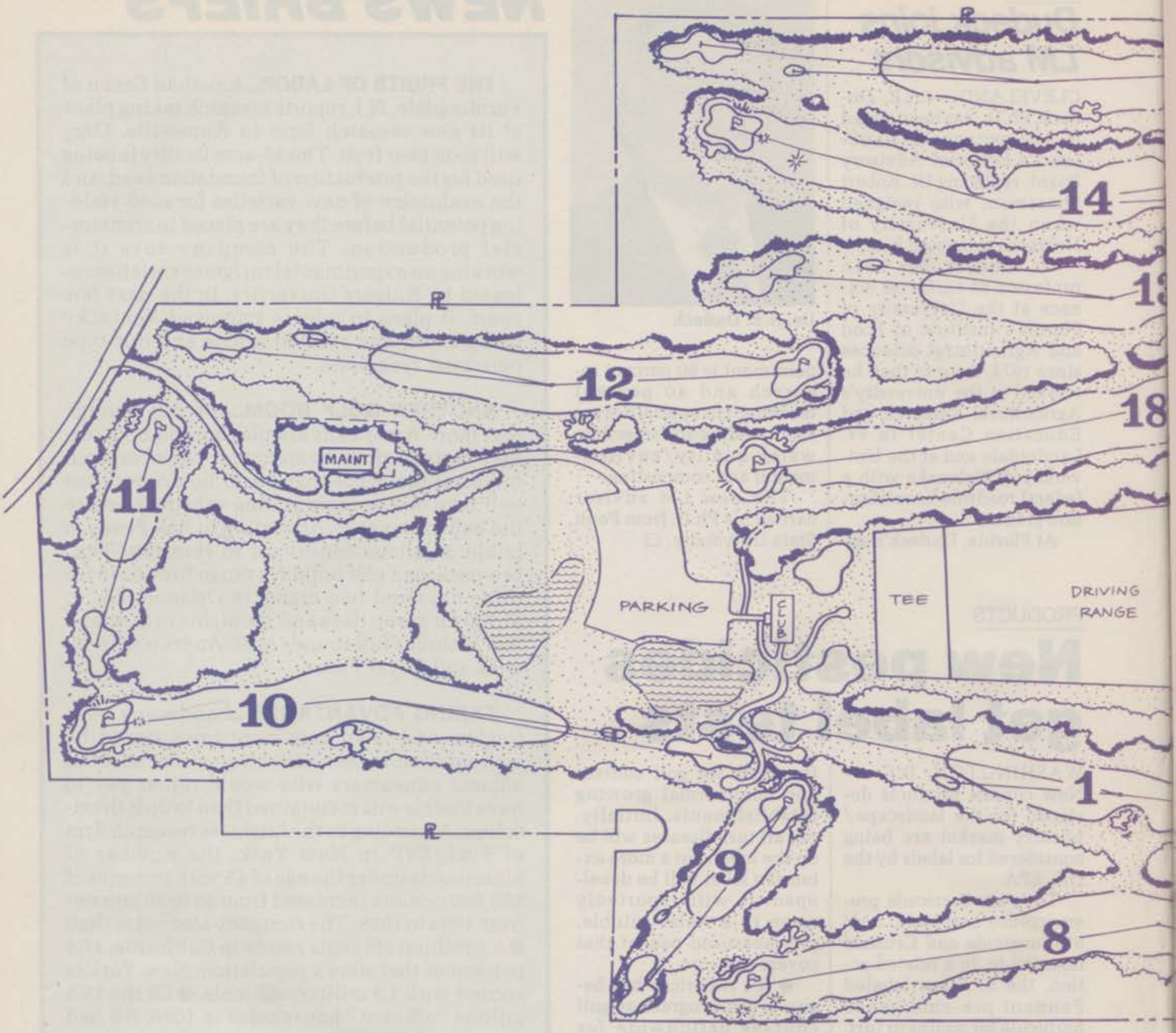
THE FRUITS OF LABOR... Jonathan Green of Farmingdale, N.J. reports research taking place at its new research farm in Aumsville, Ore., will soon bear fruit. The 48-acre facility is being used for the production of foundation seed, and the evaluation of new varieties for seed yielding potential before they are placed in commercial production. The company says it is working on experimental turfgrass varieties released by Rutgers University. In the next few years, it plans to release improved Kentucky bluegrasses, fine and tall fescue and turf-type perennial ryegrasses.

ANOTHER GOLF BOOM... It's not enough that more Americans are playing golf on a regular basis in their hometowns. Now research indicates that more than 20 million Americans will take one or more golfing vacations before the end of the year. According to **Bob Penny**, a public relations consultant in Houston, Tex., pre-packaged golf holidays range from $148 for three days and two nights in Orlando, Fla. to $1,100 for seven days and six nights in Scotland that includes full rounds at St. Andrews, Prestwick and Royal Troon.

TAKING ADVANTAGE?... Landscape contractors and lawn care companies would be well-advised to take advantage of the boom in affluent consumers who would rather pay to have their lawns maintained than to do it themselves. According to the business research firm of Find/SVP in New York, the number of households under the age of 45 with incomes of $50,000 or more increased from 45 to 50 percent from 1984 to 1988. The company also notes that: ● 2.7 million affluents reside in California, 17.8 percent of that state's population. New York is second with 1.3 million affluents. ● Of the 19.3 million "affluent" households in 1988, 6.9 had incomes of $75,000 or more per year.

DOLLARS FOR PLOTS... The turfgrass research program at Penn State University received $125,000 from the Pennsylvania Turfgrass Council for the 1990 research year. According to **Dr. Tom Watschke**, the money will be used to support the Landscape Management and Water Quality Research Center and other areas of the turf program, including the Joseph Valentine Turf Research Center.

A NEW MILESTONE... Chalk up the 10,000th member for the Golf Course Superintendents Association of America. She is **Norma M. O'Leary**, super at Silver Bay (Minn.) Country Club. The association's membership has doubled in seven years.



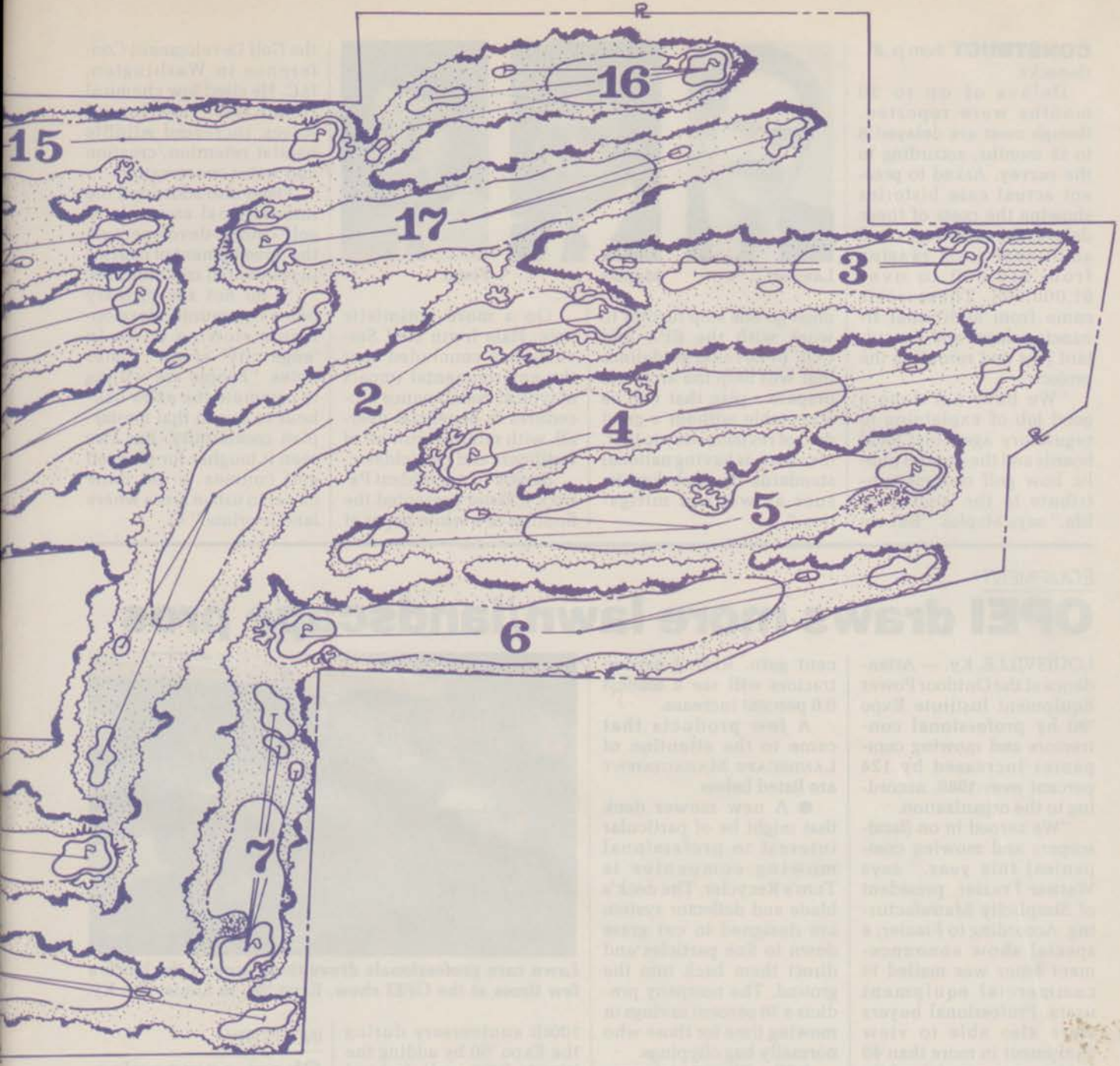
You've designed the ultimate floor

Compared to all the work that goes into building a golf course these days, choosing the seed and fertilizer is simple.

You simply choose the proven, the failsafe, the best. Scotts® HD Starter® Fertilizer and PennPals* bentgrass seed.

HD (for high density) Starter Fertilizer gives new seedlings everything they need, except sunshine and water. It provides controlled-release nitrogen in proper balance with readily-available phosphorus and potassium to promote vigorous seedling growth and root development. And its homogenous, free flowing, high density particles provide even distribution of required nutrients.

You don't have to worry about it burning or quitting early, either. HD Starter uses a readily-available phosphorus source (monoammonium phosphate) to stimulate rapid response and safely transform newly seeded areas into thick, attractive turf. While controlled-release nitrogen assures sustained, vigorous top growth.



plan. Don't skimp on the carpeting.

But, of course, no matter what fertilizer you use, you have to start with the best seed. Penncross, Oregon Blue Tag Certified Seed, is the standard of the industry. For thirty-five years it's proven itself through heat, drought, snow and flood as the premium surface for greens, tees and fairways.

Your Scott Tech Rep—a trained agronomist—can help you design a seeding and fertility program to fit your exact floor plan and your budget. Which makes it seem silly to consider anything else. Because the way we see it, designing a golf course and skimping on the turf is like designing a swimming pool and skimping on the water.

Scotts ProTurf.

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Circle No. 151 on Reader Inquiry Card

CONSTRUCT *from p. 8*
tlenecks.

Delays of up to 30 months were reported, though most are delayed 8 to 12 months, according to the survey. Asked to present actual case histories showing the costs of these delays, the architects cited additional costs ranging from $10,000 to over $1,000,000. These costs came from additional financing, legal and consultant fees and rerouting the project.

"We have not done a good job of explaining to regulatory agencies, local boards and the general public how golf courses contribute to the quality of life," says Maples. "But we must go one step further to work with the EPA and COE to develop guidelines that will help the architect prepare a plan that will be acceptable without a great deal of revision. Key to that, of course, is having national standards on such key issues as wetland mitigation."

Lannert

Maples

Fister

On a more optimistic note, Hale Irwin Golf Services has concluded that the environmental impact of typical maintenance procedures is beneficial overall, with minimal run-off of fertilizers and pesticides.

Senior vice president Patrick J. Fister presented the findings of a white paper at the Golf Development Conference in Washington, D.C. He cited low chemical runoff rates, low topsoil losses, increased wildlife habitat retention/creation and water conservation.

Fister also addressed the international assembly of golf course developers on the development of courses in residential communities.

"I do not see primary home community developments slowing down in 'edge city' areas," Fister notes. "People are willing to commute the extra half-hour to live in that master-plan community. But I've seen it tougher for planned golf courses to get done closer to urban areas where land is prime." □

EQUIPMENT

OPEI draws more lawn/landscape pros

LOUISVILLE, Ky. — Attendance at the Outdoor Power Equipment Institute Expo '90 by professional contractors and mowing companies increased by 124 percent over 1989, according to the organization.

"We zeroed in on (landscapers and mowing companies) this year," says Warner Frazier, president of Simplicity Manufacturing. According to Frazier, a special show announcement letter was mailed to commercial equipment users. Professional buyers were also able to view equipment in more than 40 outdoor commercial exhibits.

The OPEI show, held here every year, is largely attended by equipment dealers and distributors; however attendance is often used to gauge overall interest in power equipment markets.

Data released at the show by Association Research, Inc., shows a projected 4 percent increase in shipments of walk-behind mowers in 1990 over last year. Shipments of rear-engine riding mowers are expected to fall by 8.4 percent this year; shipments of front-engine lawn tractors should realize a 12.7 percent gain. Riding garden tractors will see a modest 0.6 percent increase.

A few products that came to the attention of LANDSCAPE MANAGEMENT are listed below.

- A new mower deck that might be of particular interest to professional mowing companies is Toro's Recycler. The deck's blade and deflector system are designed to cut grass down to fine particles and direct them back into the ground. The company predicts a 38 percent savings in mowing time for those who normally bag clippings.
- The PE 2201 trimmer from Echo is ready for use by the professional market. Equipped with a commercial-duty 21.2 cc engine, the trimmer features an all-position diaphragm carburetor with a purge system for quick easy starts, and an anti-vibration system to reduce user fatigue.
- Shindaiwa's Tornado cutter blade is a low-kick, heavy brush and tree blade. It has only six teeth and an easy feed ramped depth guage located at the front of each cutter. The gauge reduces kickback and snag, says Shindaiwa, producing faster, easier cutting.
- Kubota celebrated its 100th anniversary during the Expo '90 by adding the W5021-PCC walk-behind mower to its commercial turf-maintenance line.

The mower's 5-hp, 8.91-cu. in. overhead valve engine puts out high torque at low speeds, so it can handle a variety of terrains.

- HMC Green Machine's new hedge trimmer has a two-cycle, 1.4 hp engine.

HMC reports that the trimmer can handle the day-to-day, high-volume use that landscapers require. Two 30-inch counter-oscillating blades made from carbon steel insure professional users of fast, effortless trimming and shaping with a minimum of maintenance. □

Lawn care professionals drove them around the block a few times at the OPEI show, Expo '90, in Louisville, Ky.

INDUSTRY

Chem companies boost education

WASHINGTON — Representatives of several companies that supply chemicals to the lawn care industry have joined forces to better educate those who use their products.

Delegates of several major chemical companies, working under the auspices of the Pesticide Public Policy Foundation (3PF), are working with other green industry organizations to create educational materials for chemical applicators.

The coalition's second meeting will be this month,

continued on page 16

TOUGHEST CATS ON TURF.

Pick the Turfcat® model to tame your toughest mowing schedule.

Mowing days go faster and easier when you turn a Turfcat loose. Choose from two models with a wide-track 4-wheel stance and easy-handling power steering: the C417D, powered by a 16.5-hp diesel; and the C420G, with a 21-hp gas engine. Both engines are liquid-cooled for longer life and quieter performance.

A 3-wheel model is also available to get you in and out of the tight spots: the nimble C318G with an 18-hp air-cooled gas engine.

You can feel the extra power and traction on all Turfcats, delivered by a 2-speed limited-slip transaxle, with power for mowing and traction in low range, and quick transport in high range.

On the slopes, Turfcats hold their ground with wider stance and lower center of gravity. Choose a rotary or flail mower from 50- to 60-inches, or the high production 72-inch deep tunnel deck, that moves clippings out fast for extra mowing capacity without windrowing or clumping.

All Turfcat models are designed to take the work out of mowing, with a single pedal forward/reverse control and foot-operated hydraulic implement lift.

See your Jacobsen dealer today to find out more about the toughest cats on turf. Attractive lease and finance plans available. Jacobsen Division of Textron Inc., Racine, WI 53403.

JACOBSEN
TEXTRON

Jacobsen Division of Textron Inc.

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Circle No. 123 on Reader Inquiry Card

How to keep your acres and acres of earth looking like a little slice of heaven.

Adopt a Mobay fungicide program, and start producing turf that's a cut above.

Start with BAYLETON® Turf and Ornamental Fungicide. It has an unequaled reputation for stopping *dollar spot* while giving you broad spectrum disease control.

In addition, BAYLETON eliminates costly multiple applications. You see, it works systemically, entering the plant and working from the inside. Since BAYLETON won't wash off, it lasts longer.

For *leaf spot,* treat with DYRENE® Turf Fungicide. Quite simply, nothing works better. Plus, the flowable formulation of DYRENE gives you longer residual control than regular contact fungicides. And that adds up to a lower cost per day of control.

Best of all, both BAYLETON and DYRENE have a long history of unmatched performance.

For more information, contact your Mobay distributor or Mobay sales representative. They can set you up with a fungicide program that'll help you keep your acres looking like a little heaven on earth.

Bayleton
Dyrene

Treat your fairways with BAYLETON and DYRENE. It keeps your customers from tracking disease up onto your tees and greens, and raises the overall quality of your course.

Apply BAYLETON for broad spectrum control on a wide variety of ornamental plants.

Plant turf varieties that resist diseases in your area. Apply a balanced fertilizer. Aerate, irrigate, and dethatch periodically.

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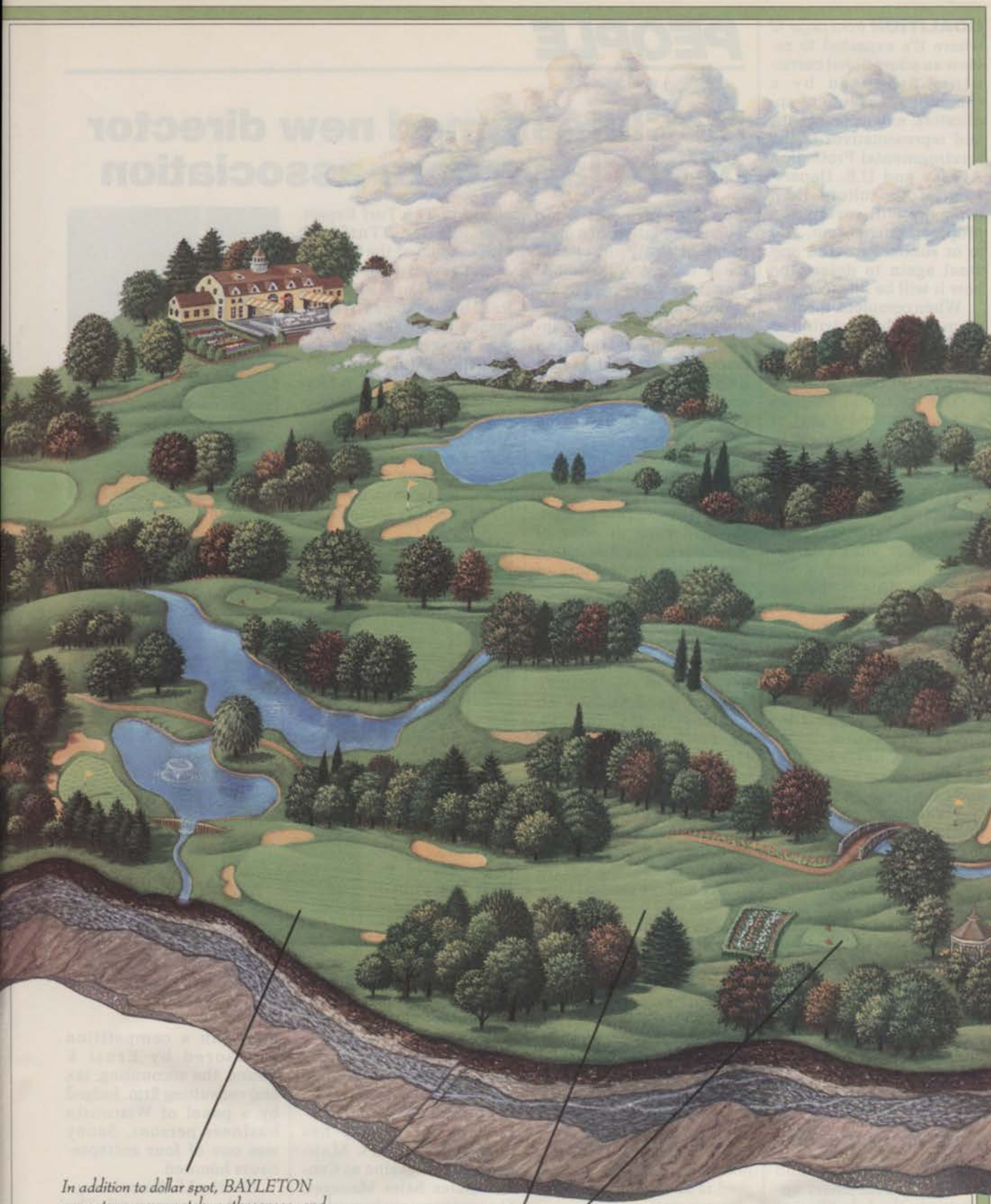

In addition to dollar spot, BAYLETON prevents summer patch, anthracnose, and other major turf diseases.

DYRENE prevents brown patch and leaf spot with excellent residual control.

Mobay Corporation
A Bayer USA Inc. Company

Bayer MOBAY

Specialty Products Group
Box 4913, Kansas City, MO 64120
816-242-2333

Circle No. 135 on Reader Inquiry Card

COALITION *from page 12*
where it's expected to review an educational curriculum proposed by a committee made up of applicators, extension agents, and representatives of the Environmental Protection Agency and U.S. Department of Agriculture. Each company will review the proposed curriculum, add to or subtract from it, and meet again to determine how it will be financed.

When complete, the program will be distributed through the Professional Lawn Care Association of America (PLCAA).

The education program will not become a part of existing certification or licensing programs, says Jim Altemus of Monsanto, a coalition spokesman. "What it is meant to do is to provide a level of education below that which is required for licensing or certification. This is the one that says whomever puts their hands on an applicator hose must have at least minimum education about what they're doing."

Companies within the coalition at presstime include Monsanto, Dow-Elanco, American Cyanamid, Rhone-Poulenc, and Ciba Geigy.

"When the program is finished, it's going to be a measurable improvement—a giant step forward for the industry," says Altemus. "It also says good things about the companies involved, that we're willing to find new ways of accomplishing things.

"We're doing something that benefits society as well as protects our right to do business within a market." □

PEOPLE

McClure named new director of pro lawn care association

Ann McClure has been named executive vice president of the Professional Lawn Care Association of America by its Board of Directors. McClure succeeds **James R. Brooks**, who announced his resignation from the organization last month after serving as executive director and executive vice-president for the last seven years.

McClure was most recently executive administrator for The Irrigation Association. Prior to that, she had been director of meetings for the Associated Landscape Contractors of America.

C. Reed Funk, Ph.D., was presented the annual Distinguished Service Award by **Clayton Yeutter**, U.S. Secretary of Agriculture during ceremonies in Washington, D.C. June 13. Dr. Funk, of the Rutgers University State Agricultural Experiment Station, received the award "for distinguished scientific achievements in turf breeding and outstanding contributions to the turf industry and the general public."

Stan Cichuniec and **Dorothy Borland** were honored by the Rocky Mountain Regional Turfgrass Association. Cichuniec, supervisor at Foothills Metro Recreation and Parks District, received the "Distinguished Service Award." Borland, owner of The Turf Expert, was selected "Turfgrass Professional of the Year."

J. Landon Reeve IV of Chapel Valley Landscape has been presented a plaque for meritorious service to agriculture by Dr. Francis R. Gouin of the University of Maryland. A University of Maryland graduate, Reeve is a past president of three professional nursery and landscape contractor organizations. He is also an advisory board member for the Certified Professional Horticulturist program in Maryland.

McClure

Funk

Borland

Huff

Reeve

Langhenry

Dr. David R. Huff has joined Rutgers University as a Post-Doctorate Fellow under Dr. Funk. The Michigan native will focus on the reproductive biology of Kentucky bluegrass and fine fescue identification. Huff earned his Ph.D. from the University of California/Davis.

Anne Langhenry has joined LANDSCAPE MANAGEMENT magazine as Central States Sales Manager. She was previously marketing and promotions manager for Yamica Corp., Exeter, N.H. Ms. Langhenry will be based in LM's Cleveland, Ohio, office.

W.R. Sauey, chairman of Columbia ParCar, was named "Master Entrepreneur" in a competition sponsored by Ernst & Young, the accounting, tax and consulting firm. Judged by a panel of Wisconsin business persons, Sauey was one of four entrepreneurs honored.

Martha Lindauer has accepted a position with The Irrigation Association as director of communications with emphasis on the association's legislative program. She had been public relations coordinator for the landscape contractor's association. □

Corrections in Seed Pocket Guide

The seed generation and seed tag values chart appearing in the July "Pocket Guide to Turfseed" contained some inconsistencies:

1) The chart should have been labelled "Kentucky bluegrass seed generation and seed tag values," and;

2) The chart incorrectly noted that 2.0% *Poa annua* seed is allowed in certified blue tag seed.

LANDSCAPE MANAGEMENT regrets the errors, which also appear in the source chart in "Turf Manager's Handbook" by Dr. W.H. Daniel and Dr. R.P. Freeborg of Purdue University. □

Deutz Corporation

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Atlanta, Georgia 30340-3119
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(404) 840-4288 - PARTS
(404) 840-4299 - ADM.

September 4, 1990

To Users of Small Diesel Engines

Ladies and Gentlemen:

Deutz Corporation of Atlanta, Georgia, and Ruggerini Motori S.p.A. of Reggio Emilia, Italy, have reached an agreement of importance to Diesel engine users in North America.

Deutz will market, support and service a number of modern, high-speed models out of the Ruggerini product offering especially selected for the requirements of the North American market. This addition extends Deutz' range downward for substantially increased competitiveness in smaller engines.

Starting today, the same experienced Deutz crew will offer these engines, product support, engineering and application assistance. Deutz will also provide parts and service availability for Ruggerini engines already operating in North America. We plan to duplicate the track record we have established in the market over the past 30 years.

We would appreciate a chance to tell you what we have to offer in the 4 to 30 HP range.

Thank you.

Sincerely,

DEUTZ CORPORATION

Werner Schmitz
President

P.S.: Fuel efficiency is in again!

Circle No. 109 on Reader Inquiry Card

LANDSCAPE MANAGEMENT

BUYER'S GUIDE

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1. Equipment

Aerators, Aquatic

Air-O-Lator Corp
Applied Biochemists Inc
Classen Mfg Inc
Giant-Vac Mfg Inc
LESCO Inc
Otterbine/Barebo Inc

Aerators, Soil

Aer-Way
BEFCO Inc
Brinly-Hardy Co
Cushman Inc
Dandl Mfg Co
Dedoes Industries Inc
Deere & Co
Feldmann Engineering & Mfg Co
Gandy Co
Green Care Intl
Green Machine Div of HMC
Hahn Inc
Hendrix & Dail Inc
Hoffco Inc
Jacobsen Div Textron
JISCO
F D Kees Mfg Co
Lawrence Inc
LESCO Inc
Mathews Co
Moyer & Son Inc
Olathe Mfg Inc
Precision Products Inc
Professional Tree & Turf Equipment
Sensation Div Gilson Bros
Steiner Turf Equipment Inc
Tanaka Ltd
Terracare Products Co
Toro Co Commercial Products Div
Toro Co Irrigation Div
Verti-Drain

Aerial Lifts

Arborchem Products Co
Hi-Ranger Inc
Promark Products Inc
Reach-All Inc

Anchors, Earth

A B Chance Co
Foresight Products Inc
Hoffco Inc
Seymour Mfg Co

Aquatic Weed Harvesters

Air-Lec Industries Inc
Hockney Underwater Weed Cutter Co

Augers

Ariens Co
Ditch Witch
Feldmann Engineering & Mfg Co
Hoffco Inc
JISCO
Johnson's Industrial Supply Co
Little Beaver Inc
Melroe Co business unit of Clark Equip
Professional Tree & Turf Equipment
Seymour Mfg Co
Solo Inc
Tanaka Ltd

Backfillers

Bush Hog Div Allied Products Corp
Guest Industries Inc
Ingersoll Equipment Co
Melroe Co business unit of Clark Equip

Back Hoes

American Trencher Inc
J I Case Outdoor Power Equip Div
Deere & Co
Ditch Witch
Ford New Holland Inc
Ingersoll Equipment Co
Kubota Tractor Corp
Massey-Ferguson Inc Industrial Machinery
Melroe Co business unit of Clark Equip

Benches

American Playground Corp
Atlantic Construction Fabrics Inc
Outdoor Products & Supply Inc
Playworld Systems
Standard Golf Co

We just eliminated your last excuse for buying a converted golf cart.

Introducing the Cushman® GT-1. Suggested retail price: $3,564.00*.

When you can have Cushman quality at a competitive price, there's no reason to accept second best.

The new Cushman GT-1 utility vehicle will outperform and outlast any converted golf cart on the market. Its frame and chassis are stronger and more durable. You'll find a bed made of 14-gauge steel instead of 16-gauge steel. One-inch axles instead of 3/4-inch axles. And a proven Kohler industrial engine that's more reliable and easier to maintain.

When you need a utility vehicle that's been specifically designed for work instead of one that's been converted from play, contact your Cushman dealer for a GT-1 demonstration. Or call toll-free 1-800-228-4444 for more information today.

CUSHMAN

BUILT TO LAST

*Does not include sales tax, freight, or dealer prep; suggested price listed in U.S. dollars. Prices may vary with dealer and region.

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Circle No. 297 on Reader Inquiry Card

continued

Blades, Mower, etc

Bolens Corp
Bush Hog Div Allied Products Corp
Howard S Crane Inc
Cushman Inc
Dandl Mfg Co
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Kubota Tractor Corp
Lawn-Boy Inc
LESCO Inc
Massey-Ferguson Inc Industrial Machinery
Omark Industries
Power Lawnmower Parts Inc
Scag Power Equipment Inc

Blades, Dozer/Scraper/Snow

American Trencher Inc
Ariens Co
Bolens Corp
Bush Hog Div Allied Products Corp
J I Case Outdoor Power Equip Div
Howard S Crane Inc
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Grazer Div M & W Gear Co
Guest Industries Inc
Kubota Tractor Corp
Lawrence Inc
Massey-Ferguson Inc Industrial Machinery
Melroe Co business unit of Clark Equip
Simplicity Mfg Inc
Steiner Turf Equipment Inc
Waldon Inc
Westendorf Mfg Co
Wheel Horse Products Inc
Woods Div Hesston Co

Bleachers

American Playground Corp

Blowers

Ariens Co
Atwater Strong Inc
Billy Goat Industries
Bunton Co
Cushman Inc
Deere & Co
DOB Distributors Inc
Excel Industries Inc
Finn Corp
Giant-Vac Mfg Inc
Green Machine Div of HMC
Hoffco Inc
Homelite Div Textron Inc
Kubota Tractor Corp
Lawrence Inc
LESCO Inc
Maruyama US Inc
Olathe Mfg Inc
Roto-Hoe Co
Salsco Inc
Shindaiwa Inc
Snapper Power Equipment
Solo Inc
Steiner Turf Equipment Inc
Tanaka Ltd
Westheffer Co
Yard Vac Products Inc

Bridges

Continental Mfg
Western Wood Structures Inc

Brush Cutters, Hand Held

Ariens Co
Bunton Co
Deere & Co
DOB Distributors Inc
Green Machine Div of HMC
Hoffco Inc
Homelite Div Textron Inc
LESCO Inc
Maibo Inc
Maruyama US Inc
Seymour Mfg Co
Shindaiwa Inc
Seymour Smith & Son Inc
Snapper Power Equipment
Solo Inc
Tanaka Ltd
Westheffer Co
Yazoo Mfg Co

Brush Cutters, Right-of-Way

Bush Hog Div Allied Products Corp
Howard S Crane Inc
Ingersoll Equipment Co
Kinco Mfg
Kubota Tractor Corp
Mathews Co
R L Parsons & Son ECI AKA The Micro-Mower Co
Rousseau
Seymour Smith & Son Inc
Woods Div Hesston Co

Bucket Lifts

Arborchem Products Co
Guest Industries Inc
Professional Tree & Turf Equipment
Reach-All Inc
Westendorf Mfg Co

Carts, Lawn

Brinly-Hardy Co
Country Mfg Inc
Howard S Crane Inc
Deere & Co
Falkenberg Inc
Gravely International Inc
Ingersoll Equipment Co
Kadco USA

Precision Products Inc
Simplicity Mfg Inc
Westheffer Co
Wheel Horse Products Inc

Chain Saws

Ariens Co
Fairmont Hydraulics Div Fairmont Railway Motors-Harsco Corp
Green Machine Div of HMC
Homelite Div Textron Inc
Maibo Inc
Progressive Power Tools Corp
Shindaiwa Inc
Solo Inc
Stanley Hydraulic Tools
Tanaka Ltd

Chain Saw Parts

Homelite Div Textron Inc
Power Lawnmower Parts Inc
Solo Inc
Tanaka Ltd

Chippers

Arbortech/A Scott Fetzer Co
Badger Chipper Co
Chipmore Mfg Co
Howard S Crane Inc
Duerr Inc
Heckendorn Mfg Co
Lindig Mfg Corp
Olathe Mfg Inc
Professional Tree & Turf Equipment
Promark Products Inc
Roto-Hoe Co
Vermeer Mfg Co

Cultivators

Aer-Way
Ames Co
Ariens Co
BEFCO Inc
Bolens Corp
Bush Hog Div Allied Products Corp
Howard S Crane Inc
Deere & Co
DOB Distributors Inc
Feldmann Engineering & Mfg Co
Gravely International Inc
Green Machine Div of HMC
Hoffco Inc
Homelite Div Textron Inc
Solo Inc
Tanaka Ltd

Dethatchers

Ariens Co
BlueBird International Inc
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Bunton Co
J I Case Outdoor Power Equip Div
Cushman Inc
Deere & Co
Deutz-Allis Corp
Exmark Mfg Co
Fuerst Brothers Inc
Goossen Industries
Gravely International Inc
Hahn Inc
Hoffco Inc
Jacobsen Div Textron
F D Kees Mfg Co
Kinco Mfg
LESCO Inc
Mathews Co
Olathe Mfg Inc
Precision Products Inc
Roseman Mfg Co
Snapper Power Equipment
Tanaka Ltd
Walker Mfg Co
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Circle No. 279 on Reader Inquiry Card

Disposal of grass clippings may soon be illegal.

It's true. The landscape maintenance profession has come under the scrutiny of lawmakers and environmentalists. Several states have passed laws against dumping grass in the local landfill and by 1995 nearly all states will have some form of legislation governing the disposal of lawn wastes.

*The only **complete** maintenance system in its class—equip your Hustler with the 8-bushel BAC-PAC and side-mounted edger for fast clean-up and a professional finish.*

Shred the evidence

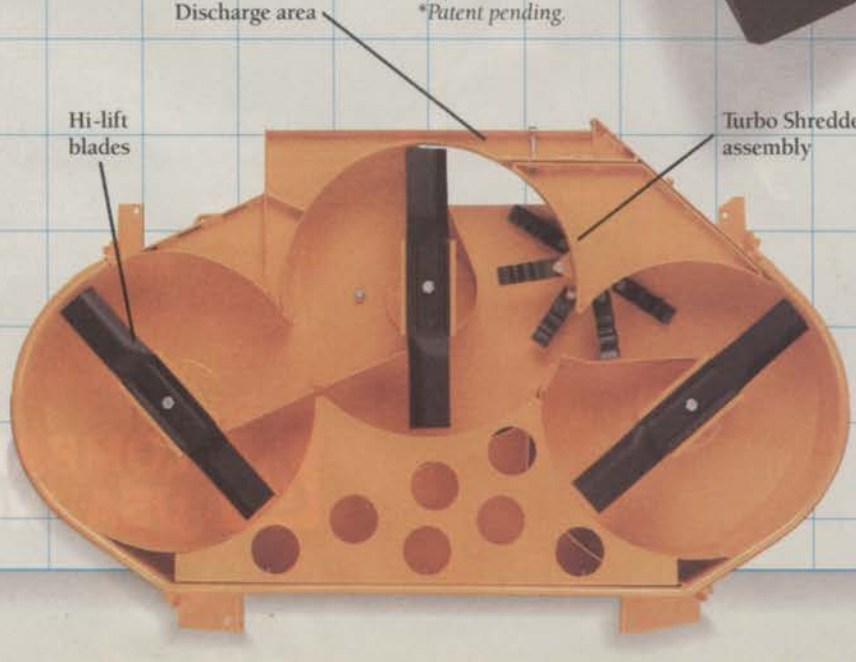
Don't be left holding the bag. Now you can shred your clippings **as you mow** with the Hustler Turbo Shredder™ rotary mower from Excel. The Turbo Shredder reduces clippings to tiny particles which fall quickly, harmlessly, (and legally) back to the soil surface. No one will know you left them behind to decompose naturally.

The Case for Shredding

When you shred clippings, you help the turf recover valuable nutrients that would ordinarily be hauled to the landfill. University studies have shown that leaving the clippings can eliminate one fertilizer application per year. You also save the cost of the labor to put it on.

If you shred your clippings instead of bagging, you can slash your time and labor by 50%! Say good-bye to raking, bagging, hauling and dumping. You'll have more time to pursue new customers or tackle other projects.

The unique design on the eight double-edged shredder blades is the key to Hustler's superior finish. (shown larger than actual size.)*
**Patent pending.*



Excel's Secret Weapon against grass bags—Hi-lift blades cut the grass and direct the clippings into the Turbo Shredder assembly where they are re-cut again and again.

A total mowing system to help you beat "the System"

The Hustler Turbo Shredder is a **complete** turf maintenance system. A single operator can mow, edge and clean up in less time than it takes a two man crew with 48" walk-behinds and a power edger. The Hustler 251K and 260K offer operator comfort features like a high

back seat and simple twin lever controls.

You can choose between 18 or 20 horsepower Kohler Magnum engines with either the 51″ or 60″ Shredder Deck.

Add to your productivity with the side-mounted edger attachment and the 8-bushel BAC-PAC™ catcher. Both can be added or removed in just seconds without tools.

For quick cutting height adjustments, you can order an optional hydraulic lift that changes the mowing height right from the driver's seat.

The Hustler Turbo Shredder deck, in 51″ or 60″ cutting widths, is the innovative answer to your clippings disposal problems.

Justice prevails

With Excel's easy lease and purchase options, it would be a crime not to get your own Turbo Shredder. Contact your local Hustler dealer or call Excel for the name of the dealer near you.

Excel Hustler...Still Out Front!

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EXCEL HUSTLER Turf & Grounds Equipment

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Circle No. 114 on Reader Inquiry Card

Unlike grass cut with a conventional rotary mower, shredded clippings work their way down to the soil surface for rapid decomposition. (All clippings shown actual size on a 1/2″ grid.)

Turbo Shredder clippings

Conventional clippings

continued

Dozers

Howard S Crane Inc
Deere & Co
Deutz-Allis Corp
Komatsu Dresser

Drainage Material

Advanced Drainage Systems Inc
Eljen Prefabricated Systems/Master Distributors Inc
Warren's Turf Nursery Inc

Drainage Tubing

A C F Inc
Advanced Drainage Systems Inc
Atlantic Construction Fabrics Inc
Hancor Inc
LESCO Inc
Warren's Turf Nursery Inc

Drills

Ariens Co
Bush Hog Div Allied Products Corp
Feldmann Engineering & Mfg Co
JISCO
Little Beaver Inc
Stanley Hydraulic Tools
Strong Enterprises Inc
Tanaka Ltd

Dusters

B & G Equipment Co
Encap Products Co
H D Hudson Mfg Co
Maruyama US Inc
Robco USA Inc
Southern Mill Creek Products Co
Strong Enterprises Inc
Trebor Corp
Westheffer Co

Edgers

Ames Co
Ariens Co
Bunton Co
Howard S Crane Inc
Curb King
Excel Industries Inc
Green Machine Div of HMC
Hoffco Inc
Homelite Div Textron Inc
Jacobsen Div Textron
LESCO Inc
Scag Power Equipment Inc
Snapper Power Equipment
Steiner Turf Equipment Inc
Tanaka Ltd
Turfco Mfg Inc
Wheel Horse Products Inc

Edging, Lawn

A C F Inc
Howard S Crane Inc
Deere & Co
Eberhart Steel Products Plastic Div
Green Machine Div of HMC
Oly-Ola Sales Inc

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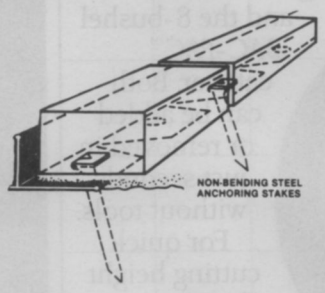

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Professional Tree & Turf Equipment
Strong Enterprises Inc
Tecumseh Products Co
Teledyne Total Power
Wheel Horse Products Inc

Engines, Diesel

Deere & Co
Ford New Holland Inc
Honda Power Equipment
Kawasaki Motors Corp Engine Div
Kubota Tractor Corp
LESCO Inc
Lombardini USA Inc
Professional Tree & Turf Equipment
Strong Enterprises Inc
Tecumseh Products Co
Teledyne Total Power
Tuflex Mfg Co
Westheffer Co

Engines, Gas

Briggs & Stratton Corp
Deere & Co
DOB Distributors Inc
Homelite Div Textron Inc
Kohler Co
LESCO Inc
Onan Corp

Onan's Performer series of two cylinder engines includes 16, 18, 20 and 24 HP horizontal shaft models and 16, 18, and 20 HP vertical shaft models. Features include electronic ignition, solenoid shift starter and full pressure lubrication.

Onan recently expanded its engine line with the addition of the single cylinder Elite series. The 12.5 HP vertical shaft model is currently in production and future models will include 5-12.5 HP horizontal and vertical crankshaft configurations.

ONAN CORPORATION
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(612) 574-5000

Professional Tree & Turf Equipment
Teledyne Total Power
Tuflex Mfg Co

Erosion Control Blocks

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Atlantic Construction Fabrics Inc
Eberhart Steel Products Plastic Div
Hydro-Turf & Assoc
Presto Products Co

Erosion Control Fabric

A C F Inc
Akzo Industrial Systems Co
Atlantic Construction Fabrics Inc
Belton Industries Inc
Conwed Fibers
Dewitt Co
E I DuPont de Nemours & Co
Jonathan Green Inc
Hoechst Celanese Corp
Hydro-Turf & Assoc
North American Green Inc
Phillips Fibers Corp
Proseed (USA) Inc
Reemay Inc
Warren's Turf Nursery Inc

Fertilizer Injectors

Encap Products Co
Inject-O-Meter Mfg Co
LESCO Inc
J J Mauget Co
Nature's Touch Div of Agro Chem Inc
Professional Tree & Turf Equipment
Robco USA Inc
Smith Precision
Vaughan's Seed Co

Filters, Sand

Claude Laval Corp
Morie Co

Foggers

B & G Equipment Co
Falkenberg Inc
Southern Mill Creek Products Co
Westheffer Co

Forklifts

Brouwer Turf Equipment Ltd
Lawrence Inc

Equipment

continued

Raymond Corp
Teledyne Princeton
Trojan Battery Co
Waldon Inc

Generators

Ariens Co
Howard S Crane Inc
Dyna/Energx Corp
Fairmont Hydraulics Div Fairmont Railway Motors-Harsco Corp
Homelite Div Textron Inc
Honda Power Equipment
Kawasaki Motors Corp USA
Kohler Co
Kubota Tractor Corp
Onan Corp
Shindaiwa Inc
Tanaka Ltd

Geotextiles

A C F Inc
Advanced Drainage Systems Inc
Atlantic Construction Fabrics Inc
Belton Industries Inc
Dewitt Co
DowElanco
Hydro-Turf & Assoc
Mar-Mac Wire Inc
Phillips Fibers Corp
Reemay Inc
Warren's Turf Nursery Inc

Golf Cars

Club Car Inc
Columbia ParCar Corp
E-Z-GO Textron
Melex USA Inc
Noland Car Co
Trojan Battery Co

Golf Course Accessories

Blue Mountain Industries
J A Cissel Mfg Co
LESCO Inc
Outdoor Products & Supply Inc
Salsco Inc
Standard Golf Co
Vaughan's Seed Co

Grass Pavers

Atlantic Construction Fabrics Inc
Golf 2000 Corp
Hydro-Turf & Assoc
Presto Products Co

Hose & Reels

Agrotec Inc
Ames Co
Anchor Swan
Arborchem Products Co
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Hahn Inc
Clifford B Hannay & Son Inc
Hydro-Turf & Assoc
LESCO Inc
Maruyama US Inc
Professional Tree & Turf Equipment
Robco USA Inc
Southern Mill Creek Products Co
Spraying Devices Inc
Strong Enterprises Inc
Tuflex Mfg Co
Westheffer Co

It's About Time!

Quik-D-Tatch® grasscatcher systems and versatile attachments add year-round productivity.

First to finish...built to last. Grasshopper cuts mowing time with high productivity, agility, instinctively natural controls and rugged durability.

Grasshopper is designed to put you outfront in the daily race against the clock. By combining agility, efficiency, operational ease and rugged reliability, Grasshopper cuts labor costs, downtime, and most importantly, the time you spend on each job.

Today's Gemini 700 Series Grasshoppers are the result of two decades of constant design advancements and refinements. The Gemini direct drive dual-hydrostatic system, while increasing mowing capabilities, also reduces maintenance and extends service life.

Dual-lever steering with automatic neutral-return safety puts total command of mowing at your fingertips. Zero-turning-radius and outfront deck design deliver superior visibility, trim capability and maneuverability. Grasshopper dealers offer strong support and the choice of six versatile models, 11 to 21 hp, deck options from 35" to 72", plus several "capability-enhancing" attachments. So, if you're not using Grasshopper now, it's about time, because you're probably spending too much time mowing.

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GRASSHOPPER®

YOUR NEXT MOWER

GRA-3-90

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Circle No. 118 on Reader Inquiry Card

continued

Irrigation Systems & Supplies

AMETEK Plymouth Products Div
Aquapore Moisture Systems
Arborchem Products Co
Bloch & Co
Buckner Inc
Gardenamerica
Hunter Industries
Kalo Inc
Claude Laval Corp
LESCO Inc
Moisture Systems Professional Irrigation Div
Motorola Inc
Outdoor Products & Supply Inc
Progressive Electronics Inc
Rain Bird Sprinkler Mfg
Standard Oil Engineered Materials Co
Submatic Irrigation Systems
Toro Co Commercial Products Div
Toro Co Irrigation Div
Weather-matic

Lighting Systems

LESCO Inc
Rain Bird Sprinkler Mfg

Litter Receptacles

LESCO Inc
Outdoor Products & Supply Inc
Playworld Systems
Standard Golf Co

Loaders

American Trencher Inc
Billy Goat Industries
Bush Hog Div Allied Products Corp
J I Case Outdoor Power Equip Div
Howard S Crane Inc
Deere & Co
Deutz-Allis Corp
Ditch Witch
Engineering Products Co
Giant-Vac Mfg Inc
Ingersoll Equipment Co
Kubota Tractor Corp
Massey-Ferguson Inc Industrial Machinery
Melroe Co business unit of Clark Equip
Olathe Mfg Inc
Steiner Turf Equipment Inc
Thomas Equipment Ltd
Waldon Inc
Westendorf Mfg Co

Loading Ramps

Giant-Vac Mfg Inc
Magline Inc
Melcher Mfg Co
Salsco Inc

Log Splitters

Bush Hog Div Allied Products Corp
J I Case Outdoor Power Equip Div
Duerr Inc
Ingersoll Equipment Co
Vermeer Mfg Co

Markers, Field

Jonathan Green Inc
LESCO Inc
Outdoor Products & Supply Inc
Precision Laboratories Inc
Richway Industries Ltd

Warren K Lerfald
Westheffer Co

Measuring Wheels

Gandy Co
Jonathan Green Inc
Green Pro Services
Hendrix & Dail Inc
Imler Industries Inc
LESCO Inc
Nature's Touch Div of Agro Chem Inc
Strong Enterprises Inc
Tuflex Mfg Co

Mist Blowers

Agrotec Inc
Arborchem Products Co
Encap Products Co
Friend Mfg Corp
H D Hudson Mfg Co
Maruyama US Inc
Professional Tree & Turf Equipment
Solo Inc
Strong Enterprises Inc
Trebor Corp
Westheffer Co

Moisture Sensors

Glen Hilton Products
LESCO Inc
Spectrum Technologies Inc
Westheffer Co

"WE WANTED THE BEST MOWER

. . . SO WE BUILT IT."

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Titan Turf Equipment
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Circle No. 158 on Reader Inquiry Card

THE MAZDA WARRANTY: DESIGNED TO LAST THE LIFE OF YOUR FLEET.

KEEPING COSTS DOWN—IT'S CRITICAL TO YOUR SUCCESS AS A FLEET OPERATOR. THAT'S WHY WE GIVE YOU THE MAZDA WARRANTY. BECAUSE EVEN WHEN YOU BUY A TRUCK AS RELIABLE AS OURS, THE FEWER REPAIRS YOU PAY FOR, THE BETTER YOUR BOTTOM LINE.

EVERY MAZDA TRUCK COMES WITH A 36-MONTH/ 50,000-MILE WARRANTY—*STANDARD*. WHAT IT COVERS WOULD FILL THIS PAGE. WHAT IT DOESN'T COVER IS ROUTINE MAINTENANCE, PARTS SUBJECT TO NORMAL WEAR AND REPLACEMENT, AND ACCESSORIES COVERED BY THEIR OWN WARRANTY. THAT'S ALL. AND THERE'S *NEVER* A DEDUCTIBLE.

SO, CALL OUR NATIONAL FLEET SALES OFFICE AT (714) 727-6453. WE'LL SEND YOU COMPLETE INFORMATION ON AMERICA'S MOST TROUBLE-FREE COMPACT TRUCK,* INCLUDING A QUICK REFERENCE GUIDE TO THE MAZDA WARRANTY. THEN YOU CAN READ ALL ABOUT OUR TRUCKS, AND THE BEST BASIC WARRANTY IN THE COMPACT TRUCK BUSINESS.

THE MAZDA WARRANTY. IT COSTS NOTHING AND COVERS JUST ABOUT EVERYTHING. AND IF YOU RUN YOUR FLEET LIKE MOST, IT WILL STILL BE IN EFFECT WHEN IT'S TIME TO TURN YOUR TRUCKS OVER. YOU MIGHT JUST CALL IT THE WARRANTY OF A LIFETIME.

mazda

IT JUST FEELS RIGHT.™

*J.D. Power and Associates 1989 Compact Truck Initial Quality Survey℠

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Circle No. 130 on Reader Inquiry Card

This Time, We Did Competition, We Out

To make a dramatic turnaround in your productivity, put yourself behind the wheel of the machine that outmaneuvered them all: The new Groundsmaster® 220-D or the new gas-powered 224 from Toro. No other out-front rotary mowers are as maneuverable, as effortless to operate or provide as much trim productivity.

Fourlink power steering is your link to unmatched maneuverability. Now operators can make sharper, easier turns with less fatigue. This makes trimming around any obstacle quick and almost effortless.

To give you even more cutting control, Groundsmasters feature a single knob deck-to-tractor weight transfer system. A twist of the wrist is all it takes to balance cutting unit flotation to height of cut and traction needs. The result is better traction and better flotation without scalping.

When it comes to engine size, Toro gives you the power of choice. The new Groundsmaster 220-D features a 20 hp liquid-cooled, 3-cylinder Mitsubishi diesel engine. The new Groundsmaster 224 gives you the same engine in a gas model, providing you with the durability diesels are known for, but with more power. Both give you all the speed and power needed for the most demanding jobs.

The Groundsmaster 220 also is available with a 20 hp air-cooled gas engine.

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n't Overpower The maneuvered Them.

A small, compact wheelbase provides a small uncut trim circle and tight turn-around enabling you to trim close around any obstacle. Just what you need to get into or out of tight areas.

With all these performance features, it's obvious why the new Groundsmaster 220-D and 224 are so popular. And why Toro is the leader in out-front riding rotary mowers. To request a demonstration, call your local Toro distributor or contact Toro at the address below.

TORO

The Professionals That Keep You Cutting.

A patented, heavy-duty carrier frame with floating cutting decks allow the cutting units to follow ground contours for a superb quality of cut. For added cutting control, there are three decks to choose from: 72", 62" or 52". And the 52" is available with an optional grass collection system.

The Toro Company, Commercial Marketing Services, 8111 Lyndale Ave. So., Minneapolis, MN 55420.

Circle No. 156 on Reader Inquiry Card

continued

Mower Accessories

Bolens Corp
Bunton Co
Cub Cadet Commercial Mowers
Deutz-Allis Corp
Excel Industries Inc
Grazer Div M & W Gear Co

GRAZER DIVISION
M & W GEAR CO.
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Heckendorn Mfg Co
Homelite Div Textron Inc
Lawn-Boy Inc
LESCO Inc
Mathews Co
Power Lawnmower Parts Inc
Scag Power Equipment Inc
Simplicity Mfg Inc

Mower Parts

Bolens Corp
Cub Cadet Commercial Mowers
Dandl Mfg Co
Deere & Co
Deutz-Allis Corp
Homelite Div Textron Inc
Jacobsen Div Textron
Lawn-Boy Inc
LESCO Inc
Power Lawnmower Parts Inc
Scag Power Equipment Inc

Mowers, Flail

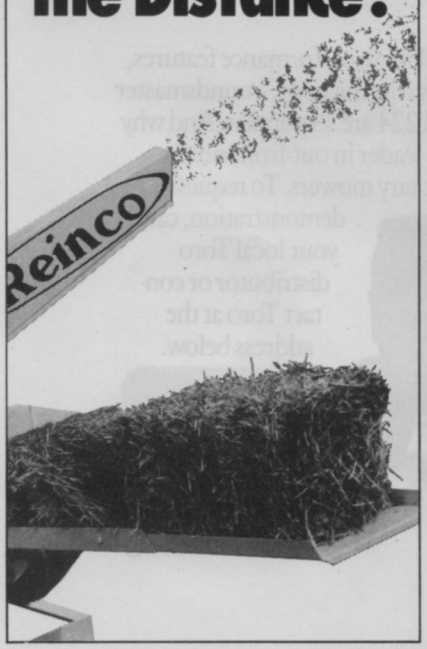
BEFCO Inc
Brillion Iron Works Inc
Bush Hog Div Allied Products Corp
Howard S Crane Inc
Dandl Mfg Co
Deere & Co
Ford New Holland Inc
Gravely International Inc
Jacobsen Div Textron
Mathews Co
Middlesworth Engineering & Mfg Inc
MoTrim Inc
R L Parsons & Son ECI AKA The Micro-Mower Co
Rousseau
Woods Div Hesston Co
Yazoo Mfg Co

Mowers, Reel

Brouwer Turf Equipment Ltd

BROUWER™
TURF EQUIPMENT LIMITED
A RANSOMES COMPANY

Does Your Power Mulcher Go the Distance?



Bunton Co
Deere & Co
Jacobsen Div Textron
Kubota Tractor Corp
LESCO Inc
Locke Mfg Inc
National Mower Co
Howard Price Turf Equipment
Ransomes Inc
Roseman Mfg Co
Steiner Turf Equipment Inc
Toro Co Commercial Products Div

Mowers, Rotary

Ariens Co
BEFCO Inc
Bolens Corp
Bunton Co
Bush Hog Div Allied Products Corp
J I Case Outdoor Power Equip Div
Howard S Crane Inc
Cub Cadet Commercial Mowers
Cushman Inc
Deere & Co
Deutz-Allis Corp
DewEze Mfg Inc
Dixon Industries Inc a Coleman Co
Excel Industries Inc
Exmark Mfg Co
Ford New Holland Inc
Giant-Vac Mfg Inc
Grasshopper Co
Gravely International Inc
Grazer Div M & W Gear Co
Heckendorn Mfg Co
Homelite Div Textron Inc
Honda Power Equipment
Ingersoll Equipment Co
Jacobsen Div Textron
F D Kees Mfg Co
Kubota Tractor Corp
Kut-Kwick Corp
Lawn-Boy Inc
LESCO Inc
Magic Circle Corp
Massey-Ferguson Inc Industrial Machinery
Middlesworth Engineering & Mfg Inc
MoTrim Inc
Howard Price Turf Equipment
Ransomes Inc
Sarlo Power Mowers Inc
Scag Power Equipment Inc
Sensation Div Gilson Bros
Simplicity Mfg Inc
Snapper Power Equipment
Steiner Turf Equipment Inc
Titan Turf
Toro Co Commercial Products Div
Walker Mfg Co

The Walker Mower
Fast, Easy & Beautiful Mowing

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Yazoo Mfg Co

Mowers, Sickle Bar

Deere & Co
Ford New Holland Inc
Gravely International Inc
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Massey-Ferguson Inc Industrial Machinery
MoTrim Inc

Mulchers, Hydraulic

Bowie Industries Inc
Finn Corp
Homelite Div Textron Inc
Hydro-Turf & Assoc
Reinco Inc

Netting

A C F Inc
Atlantic Construction Fabrics Inc
Blue Mountain Industries
J A Cissel Mfg Co
Dewitt Co
Jonathan Green Inc
Hydro-Turf & Assoc

Nozzles & Accessories

Agrotec Inc
Arborchem Products Co
Delavan Inc
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Hahn Inc
H D Hudson Mfg Co
Hypro Corp
LESCO Inc
Na-Churs Plant Food Co

Circle No. 149 on Reader Inquiry Card

Nature's Touch Div of Agro Chem Inc
Outdoor Products & Supply Inc
Professional Tree & Turf Equipment
Rain Bird Sprinkler Mfg
Spraying Devices Inc
Strong Enterprises Inc
Toro Co Irrigation Div
Trebor Corp
Weather-matic
Westheffer Co

Picnic Tables

American Playground Corp
Playworld Systems

Pipe

LESCO Inc
Westheffer Co

Play Structures

American Playground Corp
BigToys
Oly-Ola Sales Inc
Playworld Systems
Western Wood Structures Inc

Post Hole Diggers

Ames Co
BEFCO Inc
Bush Hog Div Allied Products Corp
Howard S Crane Inc
Fairmont Hydraulics Div Fairmont Railway Motors-Harsco Corp
Gravely International Inc
Hoffco Inc
Kubota Tractor Corp
Massey-Ferguson Inc Industrial Machinery
Melroe Co business unit of Clark Equip
Seymour Mfg Co

Pressure Gauges

Arborchem Products Co
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Hypro Corp
LESCO Inc
Na-Churs Plant Food Co
Outdoor Products & Supply Inc
Professional Tree & Turf Equipment
Robco USA Inc
Strong Enterprises Inc
Westheffer Co

Pruners, Hedge

Ames Co
DOB Distributors Inc
Green Machine Div of HMC
Green Pro Services
LESCO Inc
Maibo Inc
Seymour Smith & Son Inc

Pruners, Tree

Ames Co
DOB Distributors Inc
Fairmont Hydraulics Div Fairmont Railway Motors-Harsco Corp
Fanno Saw Works
Friend Mfg Corp
Green Pro Services
LESCO Inc
Maibo Inc
Seymour Smith & Son Inc
Stanley Hydraulic Tools

Pumps

Agrotec Inc
Arborchem Products Co
Ariens Co
Berkeley Pumps
Encap Products Co
Falkenberg Inc
Friend Mfg Corp
Green Pro Services
Homelite Div Textron Inc
Honda Power Equipment
Hydro-Turf & Assoc
Hypro Corp
LESCO Inc
Maruyama US Inc
Na-Churs Plant Food Co
Otterbine/Barebo Inc
Professional Tree & Turf Equipment
Robco USA Inc
Shindaiwa Inc
Solo Inc
Spraying Devices Inc
Stanley Hydraulic Tools
Sta-Rite Industries Inc
Strong Enterprises Inc
Tanaka Ltd
Tuflex Mfg Co
Westheffer Co

Rakes, Landscape

Ames Co
Howard S Crane Inc
Fuerst Brothers Inc
Glenmac Inc
Jonathan Green Inc
LESCO Inc
Melroe Co business unit of Clark Equip
Outdoor Products & Supply Inc
Standard Golf Co
Woods Div Hesston Co

Rakes, Sand Trap

LESCO Inc
Toro Co Commercial Products Div

Rain Sensors

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Rain Bird Sprinkler Mfg
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Rock Pickers

A T I Corp

PRESEEDER™
ATI CORPORATION
For Turfgrass Seedbeds
- Professional Finish - tills, levels, windrows debris
- Two Models - for 16-45 hp tractors
- Rugged, Compact Design

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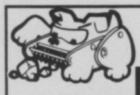
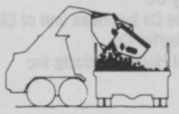
in PA 717-354-8721

Howard S Crane Inc
Glenmac Inc
KEM Enterprises Inc


ROCKHOUND LANDSCAPE RAKE
A SERIES ROCKHOUND

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Skid Steer Mount
(Hydraulic)

3 Point Mount
COST EFFECTIVE ROCKHOUNDS Rake and collect rocks and surface debris, leaving the soil in a fluffy, level, seed-bed quality condition.
It does not cost to own a ***Rockhound. . . IT PAYS!***
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Seattle, WA 98166

Terracare Products Co

Ours Does.
The TM-Jr is our smallest and most economical Power Mulcher, yet it will blow hay or straw mulch (and even some bark mulches) a distance of 30 feet (100 feet with extension hose) at a rate of up to two bales per minute. The "Jr." can also be used as a vacuum for leaves.
For larger mulching jobs, consider models TM7-30 or M80C. For more information on our Power Mulchers, mulch diskers (crimpers) or our complete line of Hydrograssers, write or call toll free, 1-800-526-7687.
Reinco
P.O. Box 512
Plainfield, NJ 07061

Circle No. 150 on Reader Inquiry Card

continued

Rollers, Lawn

Ames Co
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Howard S Crane Inc
Cushman Inc
Gandy Co
Melroe Co business unit of Clark Equip
Westheffer Co
Wheel Horse Products Inc

Rope

Allied Products Inc
LESCO Inc
Outdoor Products & Supply Inc
Power Lawnmower Parts Inc
Standard Golf Co

Safety Wear & Equipment

Arborchem Products Co
Encon Safety Products
Green Pro Services
LESCO Inc
3M Occupational Health & Environmental Safety Div
Moyer Products Inc
Outdoor Products & Supply Inc
Precision Laboratories Inc
Professional Tree & Turf Equipment
Shindaiwa Inc
Spectrum Technologies Inc
Warren K Lerfald
Westheffer Co

Saws

Fanno Saw Works
Friend Mfg Corp
Homelite Div Textron Inc
Progressive Power Tools Corp
Stanley Hydraulic Tools

Scrapers

Ames Co
A T I Corp

Screeners

Lindig Mfg Corp

Seeders

Aer-Way
BEFCO Inc
Bowie Industries Inc
Brillion Iron Works Inc
Brinly-Hardy Co
Brouwer Turf Equipment Ltd
Bush Hog Div Allied Products Corp
Cushman Inc
Deere & Co
Finn Corp
Gandy Co
Great Plains Mfg
Hahn Inc
Herd Seeder Co
Hydro-Turf & Assoc
Jacobsen Div Textron
LESCO Inc
Maruyama US Inc
Olathe Mfg Inc
Seymour Mfg Co
Thompson Seeder Co
Warren's Turf Nursery Inc

Seeders, Hydraulic

Bowie Industries Inc
Finn Corp
Hydro-Turf & Assoc

Dealer and Salesman Inquiries Invited
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312-551-1555 800-798-8873

Reinco Inc
Woods Div Hesston Co

Seeders, Hydro

Bowie Industries Inc
Howard S Crane Inc

Seeders, Slit

BlueBird International Inc
Cushman Inc
Jacobsen Div Textron
LESCO Inc
Olathe Mfg Inc

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Model 61 Leaf & Debris Blower

PTO powered, 3-pt. hitch heavy-duty blower. Hurricane velocity air blast easily blows leaves, light snow, grass clippings and trash into windrows, cutting cleanup time.

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FAX: 913-764-1473

Remove Unwanted Litter!
Olathe
Model 41MVS Large Area Sweeper

Combination vacuum and mechanical sweeper will pick up grass clippings, leaves, cans and other debris in wet or dry conditions. 7 cu. yd. hopper.
Call Your Nearby Olathe/Toro Dist. For Demo!

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Industrial Airport, KS 66031
913-782-4396
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For Heavy-Duty Renovation!
Olathe
Model 84 Self-Propelled Slit Seeder

Over 2,000 units in the field providing precision slit seeding with 18 HP engine, Olathe "Shatter Blades" for less power requirements & longer wear.
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913-782-4396
FAX: 913-764-1473

Circle No. 142 on Reader Inquiry Card

How to care for your grounds in four easy steps.

1. 2. 3. 4.

Send for your free guides to great looking grounds and make your job easier.

You'll find the industry's largest single line of turf-care vehicles and burden carriers from Cushman; a complete line of high-performance mower options; the industry's finest aeration, overseeding and sod-cutting equipment from Ryan; and revolutionary 5th Wheel Implements for large area turf-care applications.

No one offers you more ways to meet your specific needs--and your budget--than Cushman-Ryan. We're your single source of satisfaction, season after season.

The road to perfect grounds begins with a single step. Circle the reader response number in this publication for your free catalogs. Or, call toll-free 1-800-228-4444 for more information today.

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Circle No. 107 on Reader Inquiry Card

continued

Sharpeners

LESCO Inc

Shears

Ames Co
DOB Distributors Inc
Friend Mfg Corp
LESCO Inc
Maibo Inc
Seymour Smith & Son Inc

Snow Blowers

Ariens Co
Bolens Corp
J I Case Outdoor Power Equip Div
Howard S Crane Inc
Cub Cadet Commercial Mowers
Cushman Inc
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Grasshopper Co
Gravely International Inc
Green Machine Div of HMC
Hoffco Inc
Homelite Div Textron Inc
Honda Power Equipment
Ingersoll Equipment Co
Kubota Tractor Corp
Lawn-Boy Inc
Massey-Ferguson Inc Industrial Machinery
Melroe Co business unit of Clark Equip
Olathe Mfg Inc
Simplicity Mfg Inc
Snapper Power Equipment
Steiner Turf Equipment Inc
Toro Co Commercial Products Div
Waldon Inc
Walker Mfg Co
Wheel Horse Products Inc

Snow Plows

Bolens Corp
J I Case Outdoor Power Equip Div
Deere & Co
Deutz-Allis Corp
Excel Industries Inc
Gravely International Inc
Guest Industries Inc
Ingersoll Equipment Co
Melroe Co business unit of Clark Equip
Olathe Mfg Inc
Waldon Inc
Wheel Horse Products Inc

Sod Cutters

Brouwer Turf Equipment Ltd
Cushman Inc
Teledyne Princeton
Turfco Mfg Inc

Sod Equipment

Ames Co
Brouwer Turf Equipment Ltd
Goossen Industries
Teledyne Princeton

Sod Harvesters

Brouwer Turf Equipment Ltd
Teledyne Princeton

Soil Moisture Sensing Equipment

Buckner Inc
LESCO Inc
Rain Bird Sprinkler Mfg
Spectrum Technologies Inc

Soil Samplers

Jonathan Green Inc
Green Pro Services
JISCO
LESCO Inc
Na-Churs Plant Food Co
Nature's Touch Div of Agro Chem Inc
Outdoor Products & Supply Inc
Spectrum Technologies Inc
Westheffer Co

Soil Shredders

Lindig Mfg Corp

Soil Test Meters

Green Pro Services
LESCO Inc
Nature's Touch Div of Agro Chem Inc
Outdoor Products & Supply Inc
Spectrum Technologies Inc
Westheffer Co

Sprayers

Agrotec Inc
Ames Co
Arborchem Products Co
B & G Equipment Co
Broyhill Co
Bush Hog Div Allied Products Corp
Carlson Engineering & Mfg Inc
Country Mfg Inc
Cushman Inc
Danville Express
Danville Express
Deere & Co
Deutz-Allis Corp
DOB Distributors Inc
Encap Products Co
Falkenberg Inc
Finn Corp
Friend Mfg Corp
Garfield Williamson Inc Proform Turf Products Div
Gravely International Inc
Jonathan Green Inc
Green Pro Services
Hahn Inc
H D Hudson Mfg Co
Kuker Industries
LESCO Inc
Maruyama US Inc
Master Mfg Co
Monsanto Agricultural Co
Nature's Touch Div of Agro Chem Inc
Outdoor Products & Supply Inc
Professional Tree & Turf Equipment
Reinco Inc
Robco USA Inc
Roto-Hoe Co
Royalgard Products Co
Salsco Inc
D B Smith & Co
Solo Inc

Circle No. 116 on Reader Inquiry Card

One-Pass Mowing & Clean-Up

Mow and power vac at the same time with Goossen's new 128 cu. ft. capacity Vac 'n' Load. It can be used with virtually any front deck or mid-mount mower, and is also ideal for fast fall leaf pickup. And when the job's done, it tilts up for easy dumping.

If you need time-saving one-pass capability, then you need to know more about Vac 'n' Load. It gets the big jobs done faster.

Ask about the convenient terms available with Goossen's all-new **TurfTeam Leasing.**

Goossen
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Spraying Devices Inc
Spraying Systems Co
Strong Enterprises Inc
Trebor Corp
Westheffer Co

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MYERS
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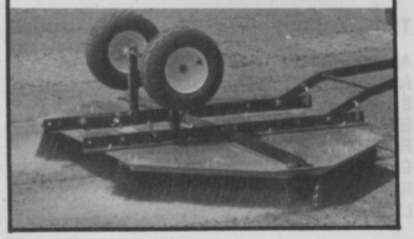

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Mendota IL 61342
800-848-HAUL

Heckendorn Mfg Co
302 Main
Cedar Point KS 66843
316-274-4201

Hendrix & Dail Inc
PO Box 648
Greenville NC 27834
919-758-4263

Herd Seeder Co
US 35 SE
Box 448
Logansport IN 46947
219-753-6311

Glen Hilton Products
PO Box 31614
Richmond VA 23294
(800) 476-0260

Hi-Ranger Inc
N4 W22610 Bluemound Rd
Waukesha WI 53187
414-547-1000

Hockney Underwater Weed Cutter Co
913 S Cogswell Dr
PO Box 1000
Silver Lake WI 53170
414-889-4581

Hoechst Celanese Corp
Interstate 85 @ Rd 57
PO Box 5887
Spartanburg SC 29304
800-845-7597

Hoffco Inc
358 NW "F" St
Richmond IN 47374-2297
317-966-8161
800-999-8161

Circle No. 105
on Reader
Inquiry Card

Landscape Contractors:

Bowie Hydro-Mulcher® delivers the heaviest slurries of seed, fertilizer and mulch without plugging.

**Strike Pay Dirt.
Bowie Makes It Easy.**

Bowie Hydro-Mulchers® cover more, faster, in fewer trips. They lower your cost per job and boost your productivity.

Productivity is the key to profits. You and your men need tough, hard-working equipment if you are going to accomplish more on any given day.

Start hitting real paydirt. Choose a Bowie Hydro-Mulcher in 500, 800, or 1100 gallon capacity with the features you want most:

* **Lasts longer**—rugged construction, 3/16" steel tank plate.
* **Loads faster**—Handles mulch by the bale; best agitation system.
* **Highest daily production**—Delivers heaviest slurries and discharges them further.
* **Brings highest resale values**—Bowie leads all competitors.

Backed by industry's **most experienced dealer network**, Bowie offers sales, service & options like no one else.

For the Bowie dealer nearest you call toll free: 1-800-433-0934

P.O. Box 931
Bowie, TX 76230

BOWIE S.M. INDUSTRIES, INC.

"Nobody does it better. Nobody's even close."

The Hydro-Mulcher® is a registered trade mark of Bowie Industries, Inc.

* Advertiser. See Advertisers Index

DIXON
ZTR MOWERS
"As a custom cutter, when Dixon cut my mowing time in half, I essentially doubled my productivity and income potential. I have won several contracts against competitors with conventional mowers because my ZTR saves me time and money. Savings I can pass on to my customers."
DIXON
DIXON
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DIXON

TWO NEW 50" PROFESSIONALS JOIN THE LINEUP OF ORIGINAL ZTR® MOWERS!

The choice is yours...DIXON.

Dixon's two new 500-Series hydrostatic mowers were designed and built for the professional whose livelihood depends on proven performance. Take your choice:

- Dixon ZTR 503 HG (Hydro-Gear) 20-horse Kohler
- Dixon ZTR 502 (chain drive) 18-horse Kohler

The piston-type Sundstrand BDU hydrostatic transmission provides continuous recirculation and filtering of the hydraulic fluids to help prevent overheating and stalling. Easy to load and transport, quick and convenient to service with a flip-up body for easy access.

Long days also take their toll on the operator, so we made comfort standard. Ergonomically designed seats adjust for each operator's comfort with ease, while Dixon's heavy-duty suspension glides you effortlessly across even the most rugged terrain.

While you might expect to pay more for Dixon's capacity, comfort, and dependable performance, you won't!

Turn on a Dixon, and buy yourself some time. The choice is yours!

Check the Yellow Pages for the Dixon Dealer nearest you, or call 1-800-635-7500.

DIXON

ZTR® Riding Mowers

Dixon Industries, Inc.
A BLOUNT Company
P.O. Box 1569
Coffeyville, KS 67337-0945
316-251-2000

Circle No. 110 on Reader Inquiry Card

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Homelite
Div Textron Inc
14401 Carowinds Blvd
Charlotte NC 28273
704-588-3200

Honda Power Equipment
PO Box 100020
Duluth GA 30136
404 497-6000

H D Hudson Mfg Co
3439 Merriam Dr
Shawnee Mission KS 66203
913-677-0094

Hunter Industries
1940 Diamond St
San Marcos CA 92069
619-744-9130

Hydro-Turf & Assoc
160 W Industrial Dr
Gilberts IL 60136
312-551-1555
800-798-8873

Hypro Corp
375 Fifth Ave NW
New Brighton MN 55112
612-633-9300

Imler Industries Inc
1117 Broadview Ave
Columbus OH 43212
614-486-9068

Ingersoll Equipment Co
PO Box 5001
Winneconne WI 54986
414-582-4455

Inject-O-Meter Mfg Co
820 Thornton St
Clovis NM 88101
505-763-4461

★Jacobsen
Div Textron
1721 Packard Ave
Racine WI 53403
414-637-6711

Jerr-Dan Corp
1080 Hykes Rd
Greencastle PA 17225
800-248-6000

JISCO
1941 Karlin Dr
St Louis MO 63131
314-966-2420

Johnson's Industrial Supply Co
1941 Karlin Dr
St Louis MO 63131
314-966-2420

Kadco USA
27 Jumel Place
Saratoga Springs NY 12866
518-587-1730

Kalo Inc
4370 W 109 St
Overland Park KS 66211-1311
913-491-9125

Kawasaki Motors Corp
Engine Div
650 Industrial Circle S
PO Box 504
Shakopee MN 55379
612-445-6060

Kawasaki Motors Corp USA
PO Box 25252
Santa Ana CA 92799
714-770-0400 ext 2203

F D Kees Mfg Co
700-800 Park Ave
Beatrice NE 68310
402-223-2391

★KEM Enterprises Inc
18425 Eighth Ave SW
Seattle WA 98166
206-433-0407
800-426-5615

Kinco Mfg
170 N Pascal
St Paul MN 55104
612-644-4666

Kohler Co
Power Systems Group
Kohler WI 53044
414-457-4441(Engine Div)
414-565-3381(Generator Div)
800-544-2444

Komatsu Dresser
4275 Shackleford Rd
Norcross GA 30093-2979
800-627-1700

Introducing Bio-Groundskeeper® "Accurate Measurer" starter size kit!

Now, there is an even more convenient way to reduce thatch the natural way—with the Bio-Groundskeeper® "Accurate Measurer" starter size kit.

A special "squeeze" metering device on 32-oz. starter size kit bottles makes application faster, easier and more accurate than ever before. The totally organic system helps develop more healthy, disease-resistant lawns requiring less water by reducing the blanket of thatch that blocks water and nutrients.

Call Toll-Free 1-800-383-4081 for the distributor nearest you.

Quotes from professional turf managers:

"I'm very pleased with the KLM Bio Systems product. It gave me quick results and excellent thatch reduction."
Robert Hansen, Groundskeeper, New York Jets

"I'm very satisfied. In the past at this time of year we have never had roots over four inches. Now, the roots on the greens and tees are eight inches or better."
Rich Riggs, Sentry World, Stevens Point, WI

Accurate Measurer
Simply squeeze bottle to obtain an accurate measure in reservoir.

Convenient 32-oz. Starter Size Kit covers 25,000 square feet

BIO GROUNDS KEEPER®
For Thatch Reduction

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10700 Normandale Blvd., Bloomington, MN 55437
612-884-4081 1-800-383-4081

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Circle No. 124 on Reader Inquiry Card

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THE 25" TURNING RADIUS SLICER SEEDER.

Professional landscapers appreciate its wide tires and front wheel drive, which provides unmatched maneuverability and climbing power. And you can seed up to 20,400 square feet per hour at the top speed of 2.3 m.p.h. It's easy to see why the Ransomes Slicer/Seeder runs circles around the competition.

For more information or a free demonstration of our full line of turf renovation equipment, see your nearest Ransomes dealer or call (414) 699-2000.

Ransomes Renovation Products Include:

•CORE AERATORS •TRUCK LOADERS
•DETHATCHERS •SLICER/SEEDERS
•DROP SPREADERS •LEAF BLOWERS

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RANSOMES

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PO Box 7020 (90224-7020)
Compton CA 90220
213-537-2531

Kuhn Farm Machinery Inc
PO Box 224
Vernon NY 13476
315-829-2620

Kuker Industries
13709 Industrial Rd
Omaha NE 68112
402-895-3050

Kut-Kwick Corp
1927 Newcastle St
Brunswick GA 31520
912-265-1630

Claude Laval Corp
1911 N Helm Ave
Fresno CA 93727
209-255-1601

Lawn-Boy Inc
PO Box 152
Plymouth WI 53073
414-893-1011

Lawrence Inc
15170 Hickory St
Spring Lake MI 49456
616-847-4200

★LESCO Inc
20005 Lake Rd
Rocky River OH 44116
216-333-9250
800-825-3726

Lindig Mfg Corp
1875 W County Rd C
St Paul MN 55113
612-633-3072

Little Beaver Inc
PO Box 840
Livingston TX 77351
409-327-3121

Locke Mfg Inc
2133 Mountain Industry Blvd
Tucker GA 30084
404-939-1505

★Lombardini USA Inc
601 Old Norcross Place Ste E
Lawrenceville GA 30245
404-995-1007
404-963-4881
Fax 404-995-1107

Magic Circle Corp
RR 1 Box 345
Coatesville IN 46121
317-246-6845

Magline Inc
503 Mercer St
Pinconning MI 48605
517-879-2411

Maibo Inc
5569 Hwy 11 W
Kingsport TN 37660
800-331-2306

Mar-Mac Wire Inc
Hwy One N
PO Box 690
McBee SC 29101
803-335-5000

Maruyama US Inc
15436 NE 95 St
Redmond WA 98052
206-885-0811

Massey-Ferguson Inc
Industrial Machinery
1700 Belle Meade Court
Lawrenceville GA 30243
404 822-3078

Master Mfg Co
119 Main St
PO Box 3806
Sioux City IA 51102
712-258-0108

Mathews Co
500 Industrial Ave
Crystal Lake IL 60014
815-459-2210

J J Mauget Co
2810 N Figueroa St
Los Angeles CA 90065
213-227-1482

★Mazda
7755 Irvine Center Dr
Irvine CA 92718
714-727-1990

Melcher Mfg Co
E 6017 Mission
Spokane WA 99212
800-541-4227

Melex USA Inc
1221 Front St
Raleigh NC 27609
919-828-7645

Melroe Co
business unit of Clark Equip
PO Box 6019
Fargo ND 58108-6019
701-241-8700

Micro-Trak Systems Inc
111 E Le Ray Ave
Eagle Lake MN 56024
507-257-3600

Mid Dakota Corp
Garrison Industrial Park
PO Box 728
Garrison ND 58540
701-337-5619

Middlesworth Engineering & Mfg Inc
1050E 200N
PO Box 165
Greentown IN 46936
317-628-2230

3M Occupational Health & Environmental Safety Div
Bldg 220-3E-04
3M Center
St Paul MN 55144-1000
800-666-6477

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Cypress CA 90630
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Includes power source, gun with 8 ft. cable, 1 lb. spool of wire, and 21 min. VHS video "Welding with CRICKET XL."

- Capacity — 90 amperes at 20% duty cycle. Built-in gas solenoid so it handles a wide variety of wire sizes and gas shielded wires.
- Portable — 63 lbs. 15½" H, 9¼" W, 16" D.
- 115 volt — "plug in" most locations without special wiring.
- Versatile — uses .023 and .030 solid steel wire with CO_2 shielding gas; .030 - .035 gasless flux cored wire; .023 and .030 stainless steel wire. Runs .030 and .035 aluminum wires, and .045 gasless flux cored wire with optional kit.

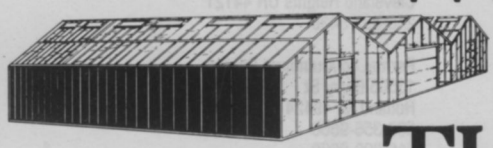
Free literature. Ask your Miller distributor in the Yellow Pages; "Welding Equipment & Supplies." Miller Electric Mfg. Co., P.O. Box 1079, Appleton, WI 54912.

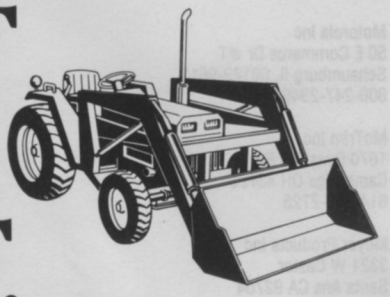
A Miller Group Ltd. Company

Miller®

Circle No. 134 on Reader Inquiry Card

IN LANDSCAPING AND HORTICULTURE WHOEVER OWNS THE MOST MAKES THE MOST. RIGHT?





WRONG.

Use, not ownership, creates profit.

You don't need to be an accountant to know that *owning* assets does not create profit . . . *using* them may.

In fact, your accountant might tell you that leasing may be the most cost-efficient financing source available today.

So if you're interested in a financing alternative that may provide you with tax advantages and that may improve your cash flow, consider these benefits of Agri-Lease® by Telmark®:

No down payment—Enjoy most of the advantages of ownership without tying up your working capital in large, initial down payments.

100% tax deductibility— Agri-Lease payments are, in most cases, fully tax-deductible, business operating expenses.

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I want to know more about The Flexible Financing Alternative℠

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_____ Vehicles _____ Machinery

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County_____ Phone_____

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315-449-7964

Note: Telmark leases are available throughout the Northeast, KY, MI, OH, VA, WV, and IN. Minimum lease: $5,000

TELMARK INC. LM 9/90

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Glastonbury CT 06033
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★Monsanto Agricultural Co
800 N Lindbergh
St Louis MO 63167
314-694-1000
800-323-1421

Morie Co
1201 N High St
Millville NJ 08332
609-327-4500
800-257-7034

Motorola Inc
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Schaumburg IL 60173-9613
800-247-2346

MoTrim Inc
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Cambridge OH 43725
614-439-2725

Moyer Products Inc
3321 W Castor
Santa Ana CA 92704
714-549-2871

Moyer & Son Inc
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Souderton PA 18964
800-345-0419

Na-Churs Plant Food Co
421 Leader St
Marion OH 43302
614-382-5701

National Mower Co
700 Raymond Ave
St Paul MN 55114
612-646-4079

Nature's Touch
Div of Agro Chem Inc
11150 Addison St
Franklin Park IL 60131
312-455-6900

Nissan Motor Corp USA
18501 S Figueroa
Carson CA 90248-4504
213-719-5743

Noland Car Co
PO Box 190
Edgewater FL 32032-0190
904-427-9645

North American Green Inc
14649 Hwy 41 N
Evansville IN 47711
812-867-6632

★Olathe Mfg Inc
100 Industrial Pkwy
Industrial Airport KS 66031
913-782-4396
Fax 913-764-1473

Oly-Ola Sales Inc
148 W St Charles Rd
Villa Park IL 60181
312-833-3033
800-EDGINGS
Fax 312-833-0816

Omark Industries
4909 SE International Way
Portland OR 97222
503-653-8881

Onan Corp
1400 73 Ave NE
Minneapolis MN 55432
612-574-5000

Otterbine/Barebo Inc
3840 Main Rd E
PO Box 217
Emmaus PA 18049
215-965-6990

Outdoor Products & Supply Inc
3924 Orchard Rd
Cleveland Heights OH 44121
216-587-5438

PermaLoc Aluminum Edging
13505 Barry St
Holland MI 49424
800-356-9660
616-399-9600
Fax 616-399-9770

Phillips Fibers Corp
PO Box 66
Greenville SC 29602
803-242-6600

Playworld Systems
PO Box 227
New Berlin PA 17855
800-233-8404

Polaris Industries Inc
1225 N Hwy 169
Plymouth MN 55441
612-542-0500

Power Lawnmower Parts Inc
1920 Lyell Ave
PO Box 60860
Rochester NY 14606
716-458-0800

Precision Products Inc
2415 S Grand Ave
PO Box 2546
Springfield IL 62708
217-528-1311

Presto Products Co
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414-739-9471

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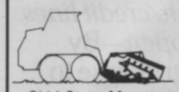
ROCKHOUND LANDSCAPE RAKE

A SERIES ROCKHOUND

Dumping



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3 Point Mount

COST EFFECTIVE ROCKHOUNDS Rake and collect rocks and surface debris, leaving the soil in a fluffy, level, seed-bed quality condition.

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Fax 708-833-0816

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Permanent Clean Look

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Mesa AZ 85202
602-966-2931

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Kalamazoo MI 49007
800-635-5465
Fax 616-342-0517

Promark Products Inc
330 Ninth Ave
City of Industry CA 91746
818-961-9783

Proseed (USA) Inc
1800 IH 35 S
PO Box 1250
San Marcos TX 78667
512-392-1900

PRSM Inc
882 S Matlack St Unit E
West Chester PA 19382
215-430-3960

PSB Co
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Columbus OH 43216
614-228-5781

Rain Bird Sprinkler Mfg
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Glendora CA 91740
818-963-9311

★Ransomes Inc
One Bob Cat Lane
Johnson Creek WI 53038
414-699-2000

Raven Industries Inc
205 E Sixth St
Sioux Falls SD 57102
605-336-2750

Ravens Metal Products
Trailite Div
PO Box 1168
Parkersburg WV 26102-1168
304-275-4247
Fax 304-275-4368

Rayco Mfg Inc
6822 Lincoln Way E
Wooster OH 44691
800-392-2686
800-392-2687(OH)
Fax 216-264-3697

Raymond Corp
S Canal St
Greene NY 13778
800-235-7200

Reach-All Inc
1300 Port Terminal Dr
Duluth MN 55816
218-722-9200

Reading Body Works Inc
Hancock Blvd & Gerry St
Reading PA 19611
215-775-3301

Reemay Inc
70 Old Hickory Blvd
Old Hickory TN 37138
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TOW-TYPE TOP DRESSER

Top dressing **levels existing turf** on athletic fields while stimulating growth and improving soil conditions. Repetitive top dressing **fills in the low spots** and also promotes the **decomposition of thatch.**

- Top dress 18 golf greens in under 6 hours
- Top dress an athletic field in under 2 hours
- 18.3 cubic feet hopper capacity
- Spreading width of 60"
- Top dress at up to 8 miles/hour
- Ground driven no engine to maintain

TURFCO also manufactures self-propelled and truckster-mounted **METE-R-MATIC TOP DRESSERS**

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3456 N. Washington Ave.
Minneapolis, MN 55412-2688

Ph. 612/588-0741
Telex 5106013762

TURFCO

Circle No. 153 on Reader Inquiry Card

continued

★Reinco Inc
520 North Ave
PO Box 512
Plainfield NJ 07060
800-526-7687

Richway Industries Ltd
525 Main St
Janesville IA 50647
319-987-2976
800-553-2404

R L Parsons & Son ECI
AKA The Micro-Mower Co
7155 State Rt 142 SE
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West Jefferson OH 43162-0028
614-879-7601

Robco USA Inc
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Walnut Creek CA 94596
415-827-0926
800-825-7622
Fax 415-827-0478

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Collegeville PA 19426
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Uni Paving Stones meet or exceed ASTM specs and provide a strong, virtually maintenance-free surface ideal for drives, walkways, courtyards, plazas, streetscapes and more.

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MANUFACTURERS OF UNI PAVING STONES

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Newbury OH 44065
216-564-2294

Rousseau
8433 Mid County Ind
St Louis MO 63114
314-426-7377

Royalgard Products Co
100 Paces W, Ste 1240
2727 Paces Ferry Rd NW
Atlanta GA 30339
404-333-9067

Salsco Inc
105 School House Rd
Cheshire CT 06410
203-271-1682

Sarlo Power Mowers Inc
PO Box 1169
Fort Myers FL 33902
813-332-1955

Scag Power Equipment Inc
1000 Metalcraft Dr
Mayville WI 53050
414-387-0100

★O M Scott & Sons Co
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Marysville OH 43041
513-644-0011(OH call collect)
800-543-0006

Seaman-Parsons Corp
W161 N9116 Hayes Ave
Menomonee Falls WI 53051
414-251-3860

Sensation
Div Gilson Bros
Cty Trunk PP
PO Box 152
Plymouth WI 53073
414-893-1011

Seymour Mfg Co
500 N Broadway
Seymour IN 47274
812-522-2900

Shindaiwa Inc
11975 SW Herman Rd
Tualatin OR 97062
503-692-3070

Simplicity Mfg Inc
500 N Spring St
Port Washington WI 53074
414-377-5450

D B Smith & Co
Main St
Utica NY 13501
315-735-5223

Smith Precision
1299 Lawrence Dr
Newbury Park CA 91320
805-498-6616

Seymour Smith & Son Inc
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203-274-2558

Snapper Power Equipment
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McDonough GA 30253
404-954-2500

YAZOO!

"Something Worth Shouting About..."

Yazoo mowers have earned a reputation for quality and endurance among customers throughout the most demanding lawn care regions in the country. For 45 years, commercial lawn maintenance firms and consumers have come to depend on our heavy-duty components, practical design, easy maneuverability and operator comfort.

Whatever your application, Yazoo has a mower to maximize your time on the job. Choose a cutting width from 20″ to 76″; with high performance engines strong enough to meet your needs. All Yazoo mowers are designed for tough turf, but their responsive handling will leave your lawn with a smooth, professional finish.

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YAZOO

For nearly half a century, Yazoo has proven that they cut with the best. Join our thousands of loyal customers, throughout the country, as we introduce our 1990 product line from coast to coast.

To find out more about the complete line of Yazoo products, circle the appropriate number on your reader response card. Or better yet, give us a call, we have *something worth shouting about.*

Yazoo Manufacturing Company/P.O. Box 449/3650 Bay Street/Jackson, Mississippi 39296/Phone 601-366-6421

Circle No. 163 on Reader Inquiry Card

continued

Solo Inc
5100 Chestnut Ave
Newport News VA 23605
804-245-4228

Southern Mill Creek Products Co
5414 N 56 St
Tampa FL 33610
813-626-2111

Spectrum Technologies Inc
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Plainfield IL 60544
800-248-8873

Spraying Devices Inc
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Visalia CA 93278
209-651-1306

Spraying Systems Co
North Ave
Wheaton IL 60188
312-665-5000

Standard Golf Co
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Cedar Falls IA 50613
319-266-2638

Standard Oil Engineered Materials Co
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PO Box 391316
Solon OH 44139
216-349-6882

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Milwaukie OR 97267
503-659-5660

Sta-Rite Industries Inc
293 S Wright St
Delavan WI 53115
414-728-5551

Steiner Turf Equipment Inc
930 Penn Ave
PO Box 85
Orrville OH 44667
216-683-0055

Strong Enterprises Inc
14090 SW 144 Ave Rd
Miami FL 33186
305-235-0967

Submatic Irrigation Systems
PO Box 246
Lubbock TX 79408
806-747-9000

Sumitomo Corp of America
Machinery Dept
345 Park Ave
New York NY 10154

Supreme Corp
16500 CR 38
PO Box 463
Goshen IN 46526
219-642-4888

Tanaka Ltd
22121 Crystal Creek Blvd SE
Bothell WA 98021
206-481-2000

Taylor-Dunn
2114 W Ball Rd
Anaheim CA 92804
714-956-4040

Tecumseh Products Co
900 North St
Grafton WI 53024
414-377-2700

Teledyne Princeton
955 W Walnut St
Canal Winchester OH 43110
614-837-9096

Teledyne Total Power
3409 Democrat Rd
Memphis TN 38118
901-365-3600

Tennant Co
701 N Lilac Dr
Minneapolis MN 55440
612-540-1200

Terracare Products Co
PO Box 506
Pardeeville WI 53954
608-429-3402
Fax 608-429-2889

Thomas Equipment Ltd
55 Torlake Crescent
Toronto ON Canada M8Z 1B4
416-252-3714
Fax 416-259-0713

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Discover Fast, Competitive, Profitable Mowing

Most commercial mowing operations are using walk-behind mowers because they have concluded no rider mower is compact or maneuverable enough to mow landscaped areas. Now maintenance operators all across the country are discovering the compact, maneuverable *Mid-Size Walker Mower* fits their job and saves labor (usually cuts labor 1/2). The labor saving *Walker* looks good whether your business is trying to produce profit or is operating on a budget. Write or call for a free brochure. Ask for a demonstration.

Walker Manufacturing Company, 1839 East Harmony Road, Ft. Collins, CO 80525 • 1-800-777-0356

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It may be small. But it delivers big. Mitsubishi Mighty Mits. When your work takes you off-road, it picks up, delivers, hauls and moves out. In 2WD or 4WD. Over flat or varied terrain. And handling? Easy. At the airport, beach, golf course, park. Or just about any place in between.

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MOTOR SALES OF AMERICA, Inc.

Industrial Vehicle Division
6400 Katella Avenue, Cypress, CA 90630-5208
(714) 372-6000 (800) FON-MITS

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continued

Thompson Seeder Co
US Hwy 35 S
PO Box 776
Logansport IN 46947
219-753-6366

★Titan Turf
345 Litchfield Rd
Owensboro KY 42303
502-683-7326
Fax 800-626-8444

★Toro Co
Commercial Products Div
8111 Lyndale Ave S
Bloomington MN 55420
612-888-8801

Toro Co
Irrigation Div
5825 Jasmine St
Riverside CA 92504
714-688-9221

Toyota Industrial Equipment
19001 S Western Ave
Torrance CA 90509
213-618-4000

Toyota Motor Sales USA Inc
19001 S Western Ave
Torrance CA 90509
213-618-4000

Trebor Corp
4045-A Jonesboro Rd
Forest Park GA 30050
404-366-0957

Trojan Battery Co
12380 Clark St
Santa Fe Springs CA 90670
213-946-8381

Tuflex Mfg Co
1406 SW Eighth St
Pompano Beach FL 33060
305-785-6402

★Turfco Mfg Inc
3456 N Washington Ave
Minneapolis MN 55412-5688
612-588-0741

Vaughan's Seed Co
Chimney Rock Rd
PO Box 469
Bound Brook NJ 08805
201-356-4200

Vermeer Mfg Co
New Sharon Rd
PO Box 200
Pella IA 50219
515-628-3141

Verti-Drain
415 Washington Ave
Scranton PA 18503
717-961-6120

Waldon Inc
201 W Oklahoma Ave
Fairview OK 73737
405-227-3711

★Walker Mfg Co
5925 E Harmony Rd
Fort Collins CO 80525
303-221-5614
Fax 800-777-0356

Warren K Lerfald
333 Anthony Trail
Northbrook IL 60065
708-498-0800

Warren's Turf Nursery Inc
3773 Chadbourne Rd
PO Box 459
Suisun City CA 94585
707-422-5100

Weather-matic
3301 W Kingsley Rd
Garland TX 75041-2207
214-278-6131

★Wells Cargo Inc
McNaughton St
PO Box 728-837
Elkhart IN 46515
219-264-9661
800-348-7553

Westendorf Mfg Co
Hwy 175
PO Box 29
Onawa IA 51040
712-423-2762

Western Wood Structures Inc
20675 SW 105 St
PO Box 130
Tualatin OR 97062
503-692-6900

Westheffer Co
1235 N Third St
PO Box 363
Lawrence KS 66044
913-843-1633
800-332-0003(KS)
800-362-3110
Fax 913-843-4486

Wheel Horse Products Inc
515 W Ireland Rd
South Bend IN 46614
219-291-3112

Wheel Spray Corp
PO Box 97
Delafield WI 53018
414-646-8640

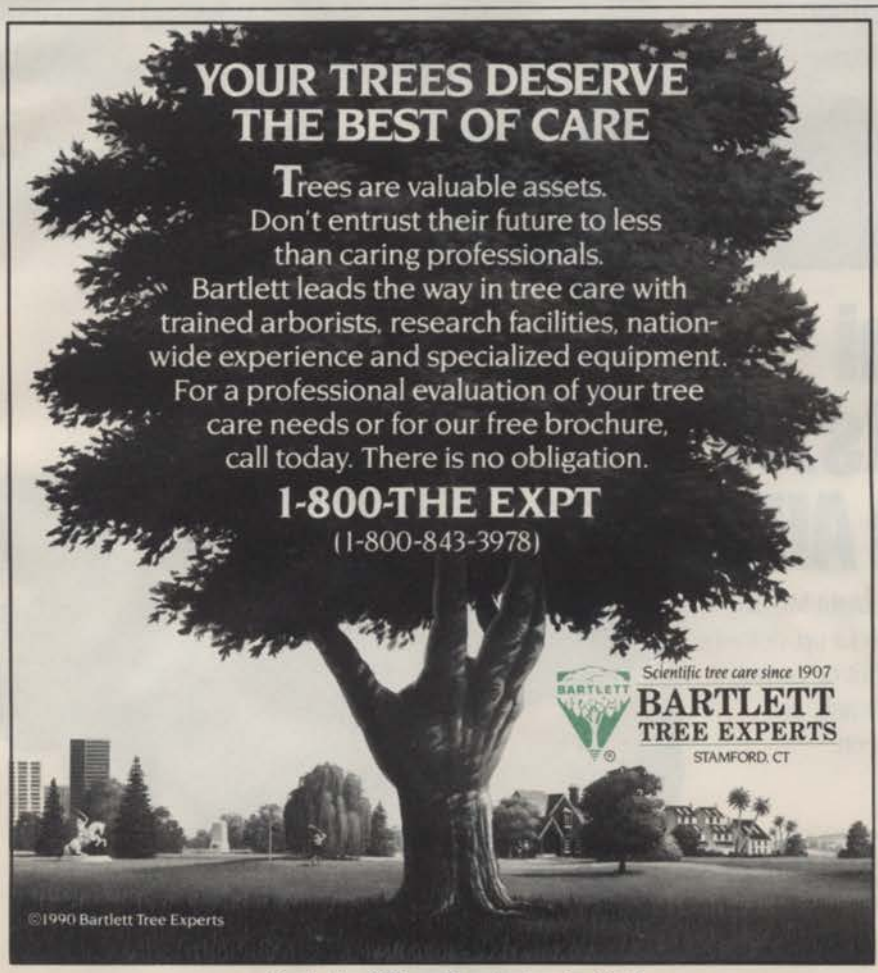
Woods
Div Hesston Co
Hwy 2 S
PO Box 1000
Oregon IL 61061
815-732-2141

Woodstream Corp
69 N Locust St
Lititz PA 17543
717-626-2125

Yamaha
6555 Katella Ave
Cypress CA 90630
714-761-7304
800-447-4700

Yard Vac Products Inc
3849 E Ventura
Fresno CA 93702
209-251-7125

★Yazoo Mfg Co
3650 Bay St
Jackson MS 39216
601-366-6421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Circle No. 103 on Reader Inquiry Card

* Advertiser. See Advertisers Index

"I was hesitant to try it at first. I thought, surely, there would be some injury to my flowers. But Surflan convinced me otherwise. It didn't harm them at all when we sprayed directly over the top.

"Surflan wasn't so gentle to the weeds. We used to have a real problem with crabgrass. We'd have to go in and pull them all by hand. It was so time-consuming. I figured I was paying close to $50 for each thousand square feet just for labor.

"But with Surflan, the job took only minutes. And cost me less than $3.00 for what used to cost me almost $50.

"Surflan also took care of our oxalis and chickweed. And many other problem weeds, too. For almost eight months."

Prove Surflan for yourself. See your Elanco distributor and ask for a free Surflan brochure. Or call toll-free: **1-800-352-6776.**

Elanco Products Company
A Division of Eli Lilly and Company
Lilly Corporate Center
Dept. EM-455, Indianapolis, IN 46285, U.S.A.
Surflan®—(oryzalin, Elanco)

Circle No. 112 on Reader Inquiry Card

"Are you kidding? Spray herbicide over the top of my flowers?

continued

3. Chemicals

This section is broken down by chemical product with companies providing that chemical listed below. Products common name (in parentheses) and brand names are listed on the line following the company name.

Absorbefacient (Aquatic)

Aquashade Inc
(Acid Blue q, Acid Yellow 23) Aquashade

Aquashade is:

- **Economical,** because it's long lasting.
- **Non-toxic,** no harm to humans, livestock, fish, wildlife and turf. (EPA Registered)
- **Non-killing,** because it controls growth by suppressing.
- **Easy to use,** by just pouring.
- **Beautifying,** by coloring water to a natural teal blue.

AQUASHADE
AQUATIC PLANT GROWTH CONTROL

Aquatrols
(Copolymer Acrylamide Acrylate) SuperSorb Water Absorbant
UAP Special Products Inc

Adjuvant/Carrier

Arborchem Products Co
(Crop Oil/Surfactant) Clean Cut; (blended Petroleum products) Basal Oil
DowElanco
Improve
Elanco Products Co
Improve
Fermenta ASC Corp
(Fatty amine ethoxylate) Frigate
Jonathan Green Inc
(surfactant-wetting agent) Aqua-Gro S & G
Kalo Inc
Regulaid
LESCO Inc
LESCO Spreader Sticker; LESCO-WET
Moyer Products Inc
(Alicarylpolyoxyethelene ether) Spray Film B
Nature's Touch Div of Agro Chem Inc
(alanive, asparic acid, glutamic, acid cystive & other proteins) Save A Tree Drought
Necessary Trading Co
(non-ionic surfactant) Spray Enhancer
Precision Laboratories Inc
Pen-A-Trate
Southern Mill Creek Products Co
SMCP Spreader Sticker
Spectrum Technologies Inc
(buffering/wetting agent) Adjust; Spraytrol
UAP Special Products Inc
Activator 90
Uniroyal Chemical World Headquarters
Activate
Valent USA Corp
X-77

Algaecide

Applied Biochemists Inc
(Chelated Copper) Cutrine-Plus, Cutrine-Plus Granular
Great Lakes Biochemical Co
(Chelated Copper Liquid) Algimycin PLL-C; (Chelated Copper Tablet) Slow Release Algimycin PLL-C; (wettable powder) Algimycin GLB-XII
LESCO Inc
(Elemental copper) Lescocide-Plus
Nacco Tyfo
NaccoSan B-60
Southern Mill Creek Products Co
A+V70 Plus
UAP Special Products Inc

Antitranspirant

Aquatrols
(paraffin wax emulsion) FoliCote
W A Cleary Chemical Corp
Cleary's Clearspray
Green Pro Services
(pine tar & Synthetics) Vita Coat
Nature's Touch Div of Agro Chem Inc
(concentrated cellular gums) Nature's Touch Leaf Coat & Leaf Coat Clear; (cellular gums with non fade dyes) Nature's Touch Leaf Coat Green
PBI-Gordon Corp
(Polyethylines/Polyturpines) Transfilm
Precision Laboratories Inc
Preserve
UAP Special Products Inc
Blanket; Nufilm
Wilt-Pruf Products Inc
(di-1-p-Menthene) Wilt-Pruf

Bacteriocide

J J Mauget Co
(Streptomycin) Inject-A-Mycin "S"

Biological Control

Burlington Scientific Corp
(Cytokinens, Humates) Speed Feed Turf Elixir; Speed Feed Turfgrass Formula
Emerald Isle Ltd
(liquified seaplant extract) PanaSea'
Green Pro Services
(Parasitic Nematodes) Scanmask
Igene Biotechnology Inc
(Chitin Protein Complex) ClandoSan(R)
KLM Bio Systems Inc
Bio Groundskeeper; Bio Groundskeeper
Necessary Trading Co
(B.t) Dipel; (potassium salts of fatty acids) Safer Insecticide Conc; (beneficial nematoden) Bio Safe
Sandoz Crop Protection
Pentac Aquaflow
UAP Special Products Inc
Dipel; Safer

Colorant

Arborchem Products Co
(blue dye) Hi-Lite; (blue colorant) Bullseye
Becker-Underwood Inc
TURF MARK; (mulch colorant) Mulch Magic; (turf colorant) Green Lawnger
W A Cleary Chemical Corp
Cleary Tree Greenzit; Cleary Grass Greenzit
Grace Sierra
Vitalon; Auragreen
Jonathan Green Inc
(blue spray colorant) Dyon; (brown mulch dye) Barl Renewer
Gustafson Inc
Gustafson Pro-ized
LESCO Inc
(Blue indicator dye) LESCO Tracker; LESCO-Nu-Mulch
Milliken Chemical
Blazon

Blazon®
SPRAY PATTERN INDICATOR
A non-staining colorant for accuracy and safety of pesticide applications.
MILLIKEN CHEMICALS

Nacco Tyfo
Super Tracer Dye
Nature's Touch Div of Agro Chem Inc
(cellular gums w/ latex base + non fade color) Natures Touch Green Blades
Precision Laboratories Inc
Signal
Royalgard Products Co
Royalgreen; Royalblue
Southern Mill Creek Products Co
Blazon; Aquashade
Spectrum Technologies Inc
Sprayguide
Standard Tar Products Co
(blend of resins & pigments) Bark Renewer
UAP Special Products Inc
Turf Mark; Blazon
Warren K Lerfald
Signal, Tracer; True Blue

Defoamer

Applied Biochemists Inc
(Silicone) Foamtrine
Arborchem Products Co
(10% Silcone) Arborchem Defoamer
W A Cleary Chemical Corp
Cleary Defoamer
Finn Corp
(silica-in-silicon oil compound) Foam Chek
Gustafson Inc
Gustafson Slurry Defoamer
Kalo Inc
Defoamer & Anti-Foam
LESCO Inc
(Silicone) LESCO Defoamer
Nacco Tyfo
Antifoam
Precision Laboratories Inc
Knockdown

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Ringer Greens Restore® and Turf Restore® give you a whole new approach to greener greens and fairer fairways.

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Scientifically formulated, environmentally sound. The Restore® line was scientifically developed for professional use. It fits right in with your present program. It strengthens your current disease control efforts. And because Ringer Greens Restore® and Turf Restore® are environmentally sound, they improve the world a little as they improve your course a lot.

If you don't like your green, we'll send back your greenbacks. Try Greens Restore® for a season on a practice or problem green. We'll return your money if you aren't more than pleased with the results. Call or write for details and the name of your distributor.

RINGER®
Better, naturally

Ringer Corporation, 9959 Valley View Road, Minneapolis, MN 55344, 612-941-4180

Circle No. 147 on Reader Inquiry Card

continued

Royalgard Products Co
(silicone based) De-Foamer
UAP Special Products Inc
Fighter F
Warren K Lerfald
Knockdown

Drift Retardant

Arborchem Products Co
(Polymer) 38-F; (dry polymer) 41-A
W A Cleary Chemical Corp
Cleary
Nature's Touch Div of Agro Chem Inc
(Heavy cellulose thickness) Natures Touch No Drift
Precision Laboratories Inc
Direct
Southern Mill Creek Products Co
Nalco-Trol; Nalco-Trol II
Spectrum Technologies Inc
Spraytrol
UAP Special Products Inc
Chemtrol
Warren K Lerfald
Direct

Fertilizers, Micronutrients

Aglukon Agri-Products
(nitrogen, calcium, magnesium, micns) Wuxal Suspension
W A Cleary Chemical Corp
Cleary
Doggett Corp
(chelated iron, managanese magnesium, zinc & copper) Doggett Micronutrients

DOGGETT

THE DOGGETT CORPORATION
FERTILIZER SOLUTIONS INC.

30 Cherry St.
Lebanon, NJ 08833
TEL: 800-448-1862

Products/Services Offered:
Fertilization Equipment
Fertilizers
Soil Conditioners & Amendments

XL-INJECTO FEED TREE FERTILIZERS

Product Type: Fertilizers

Description:
These water-soluble slow-release tree fertilizers, when hydraulically injected into the soil, last up to one full year. The analysis is low in salt, chloride-free and contains iron, copper, maganese and zinc. These tree fertilizers come in varying formulas to suit specific trees and conditions.

Contact: Roger D. Mellick, Vice President

Jonathan Green Inc
(Mg, S, Bn, Cu, Fe, Mn, Zn, Mb) THIS Micronutrient
Green Pro Services
(chelated nutrients) Vita-Green
Growth Products Ltd
(Methylene diurea) Nitro-26 CRN; (EDTA & citric acid chelates) Micrel

GROWTH PRODUCTS
P.O. Box 1259
White Plains, N.Y. 10606
Customer Service
1-800-648-7626
(914) 428-1316

Manufacturers of high quality liquid slow release fertilizers for turf, tree and ornamental applications.

LESCO Inc
LESCO Palm Tree & Tropical Ornamental Micronutrients; LESCO Chelated Micro Mix; LESCO Chelated Iron Plus w/Zinc; LESCO Chelated Iron Plus; LESCO Iron Plus
PBI-Gordon Corp
(6% iron, sulfur, urea) Ferromec; (6% iron, sulfur, urea (amine campatible)) Ferromec AC; (6% iron plus manganese) Ferromec M; (6% iron plus manganese amine compatible) Ferromec MAC; (6% iron, sulfur, urea plus manganese & zinc) Ferromec MZ
Plant Food Co
Blu-Gro
R G B Laboratories Inc
((0-4-4) sulfur, magnesium, boron, iron, maganese, zinc) Agri-Plex For-X; ((0-5-8) 8% chelated Iron) Agri-Plex Fe 8%; (8% chelated Iron plus 8% sulfur) Lawn Plex
Ruffin Inc
(all micronutrients from the sulfate form) Ruffin Tuff (Chelated) Fe-ZN-Cu-Mn-Mg-Ca
Triazone Div Arcadian Corp
(triazone) N-Sure Trisert; NZN, NMG, NFE

Fertilizer, Tree

Andersons (The)
CoRoN Corp
(amine-modified polymethylene urea 28-0-0, 70% CRN) CoRoN controlled release nitrogen

CoRoN
CONTROLLED RELEASE NITROGEN
A New Force In Lawn Care

Creative Sales Inc
(N-P-K, Fe, Mn & Zn) MEDICAP Systemic tree implants
Doggett Corp
(NPK slow release/hydraulic inject) XL-Injecto Feed 32-7-7; (NPK slow release/hydraulic inject) Evergreen Spec 30-7-10
DOTS (Distributors Own Turf Supplies)
(RZP 34-3-7) DOTS
Garfield Williamson Inc Proform Turf Products Div
(release nitrogen added micronutrients) PROFORM 12-24-12 Winterizer
Grace Sierra
Agriform
Great Salt Lake Minerals & Chemicals Corp
(Sulfate of Potash) GLS
Jonathan Green Inc
(34-3-7 w/powder blue nitro) Lawn Care & Root Feeding
Green Pro Services
(NPK, Humates) Vita Tree/Shrub
Haifa Chemicals Ltd Trans-Resources Chemical Div
(potassium nitrate 13-0-46) K-Power
Hawkeye Chemical Co
(controlled release liquid nitrogen) Formolene LU
Howard Johnson Ent Inc
(RZP))
LaRoche Industries Inc
Vertagreen; Soilife; Supreme Green
Lebanon Turf Products Div Lebanon Chemical Corp
Lebanon; Turfmaster
LESCO Inc
LESCO 16-10-9 Tree Stakes; LESCO 8-10-10 "Hi" Trace Element Tree Stakes; LESCO Arbor Green
J J Mauget Co
(Chelated Ag Minerals & NPK) Stemix; (Sulfates & Nitrates) Inject-A-Min Fe-Zn, Inject-A-Min Mn
Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 12-26-26) Four Seasons
Moyer & Son Inc
(lirea, Methylene ureas, polyphosphates Muriate of potash) Arborflo; (urea, polyphosphates, muriate of potash) Rootflo
Na-Churs Plant Food Co
(nitrogen & P & K) Na-Chures Liquid Fertilizer 15-3-4 & 21-3-4; (liquid nitrogen) CoRoN 28-0-0
Nature's Touch Div of Agro Chem Inc
(natural vegetative extract base blended with primary, secondary micronutrients) TES (Nature's Touch)
NOR-AM Chemical Co
(Ureaform) NitroForm
Par Ex
(Isobutylidene Diurea) Woodace
Plant Food Co
Liqua Form; PFC's
Plant Marvel Laboratories Inc
(tree & shrub special 25-15-10) Plant Marvel
Ringer Corp
(natural organic fertilizer) Flower/Foliage 8-6-5
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots

ROOTS™
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ROOTS Inc.
(Natural root growth biostimulant for all turfgrass and plants)

Ruffin Inc
(FeSo4) Ruffin Tuff Chelated Iron Granules
Southern Mill Creek Products Co
Nutrex 20-20-20
Sustane Corp
(dry organic granular compost turkey litter) Sustane
UAP Special Products Inc
NuLeaf
Uniroyal Chemical World Headquarters
(Foliar Nutrients) Nutra-Phos, Sorba-Spray
Vigoro Industries Inc
Woodace; Par Ex

Fertilizer, Turf

Andersons (The)
Tee Time; Professsional Custom Mix; Break-Thru

The Andersons

W A Cleary Chemical Corp
Cleary Fluf 18-0-0, 10-0-10, 16-2-4, Cleary water soluble fertilizer

W.A. CLEARY CHEMICAL CORPORATION
1049 Somerset St., P.O. Box 10, Somerset, NJ 08873
TOLL FREE NUMBERS: (outside New Jersey)
1-800-524-1662 East of the Mississippi
1-800-524-1663 West of the Mississippi
New Jersey - 201-247-8000

CoRoN Corp
(amine-modified polymethylene urea 28-0-0, 70% CRN) CoRoN controlled release nitrogen
Doggett Corp
(slow release sprayable) Total 35-5-6
DOTS (Distributors Own Turf Supplies)
(custom formulations w/SCU VF SOP nutralene) DOTS
Garfield Williamson Inc Proform Turf Products Div
(controlled release N with Nitroform, SCU, UF, MDU, active sludge) PROFORM 30-5-7; (controlled release N with Nitroform, SCU, UF, MDU, active sludge) PROFORM 20-5-7
Grace Sierra
Agriform; Customblen
Jonathan Green Inc
(various analysis) Jonathan Green
Green Pro Services
(NPK w/slow release) Vita Blend
Haifa Chemicals Ltd Trans-Resources Chemical Div
(potassium nitrate 13-0-46) K-Power
Hawkeye Chemical Co
(controlled release liquid nitrogen) Formolene LU
Howard Johnson Ent Inc
(custom blends)
J & L Adikes Inc
GRO-WELL
KLM Bio Systems Inc
Bio Groundskeeper
LaRoche Industries Inc
Vertagreen; Soilife; Supreme Green
Lebanon Turf Products Div Lebanon Chemical Corp
Lebanon; Country Club; Greenskeeper; Lebanon Pro; Green Gold; Turfmaster
LESCO Inc
(Multiple types and blends) LESCO
Milorganite Div of M M S D
(Natural Organic) Milorganite
Milwaukee Metropolitan Sewerage District
(6-2-0 Natural Organic) Milorganite
Moyer Products Inc
(20-9-9) Super Blend; (20-20-20) Verdisol; (32-10-10, 12-26-26) Four Seasons
Moyer & Son Inc
(Urea, polyphosphates, Muriat of potash) Turflo
Nacco Tyfo
Grow More
Na-Churs Plant Food Co
(nitrogen, Phosphorus, Potassium) Na-Churs Liquid Fertilizer 15-3-3 & 16-2-3; (Nitrogen & potassium) Na-Churs Liquid Fertilizer 15-05; (liquid potassium) Na-Churs Liquid Fertilizer 0-0-30; (controlled release nitrogen, phosphorus, potassium) Na-Churs Liquid Fertilizer 15-3-4 & 21-3-4; (controlled released nitrogen) CoRoN
Nature's Touch Div of Agro Chem Inc
(primary, secondry micronutrients) Nature's Touch Strengthen & Renew
Necessary Trading Co
(soil inoculant, kelp meal) Soil Vitalize; (granular compost) Sustane 5-2-4; (soluble kelp extract) FoliaGro
NOR-AM Chemical Co
(Ureaform) Nitroform; (Methylene Urea Polymers) Nutralene
Organic Lawn Care
(fermented plant tissue concentates) Plant Extract
Par Ex
(Isobutylidene Diurea) Par Ex
PBI-Gordon Corp
(extract of cow slurry) Bov-a-Mura
Pennington Enterprises Inc
Pennington Professional Turf
Plant Food Co
GREEN-T
Plant Marvel Laboratories Inc
(Bent special 28-8-18, Bermuda special 25-5-20, Lawn Marvel 28-18-8) Plant Marvel
Ringer Corp
(natural organic slow release fertilizer) Greens 6-1-3, Greens Super 10-2-6
Riverdale Chemical Co
(15% N, 6% Fe, 3 1/2% S) Fe 6
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots
Royalgard Products Co
(Iron, nitrogen, sulfur) Armor, Armor Plus
Ruffin Inc
(Turf Iron Spec 6%N-6%Fe-3%Mn) Ruffin Tuff Iron Special; (Turf Iron 15% n, 6% Fe) Ruffin Tuff Turf Iron
O M Scott & Sons Co
(Sulfur-llated Ures, Urea, Ammuniated Phosphate, Potassium chloride) Proturf Fertizer; (Methylene ureaa, urea, ammuniated phosphate, potassium sulfate) Proturf HD Fairway & Proturf HD Greens; (Triazone, Urea, Potassium purophosphate) Proturf Fluid Fertilizer
Soil Technologies Corp
(cyanobacteria) Turftech II

All around the customers' lawn...

Now's the time to remember Roundup® herbicide to keep your customers' lawns free of weeds. Remember that Roundup controls a broad spectrum of weeds, roots-and-all. Use Roundup for edging along driveways, fences, sidewalks—all around the lawn. For more information, call toll-free **1-800-323-1421**, and REMEMBER THE ROUNDUP.

Always read and follow the label for Roundup® herbicide. Roundup® is a registered trademark of Monsanto Company. ©Monsanto Company 1990 RGP-0-770L

REMEMBER THE Roundup

Circle No. 224 on Reader Inquiry Card

continued

Southern Mill Creek Products Co
Nutrex 20-20-20
Sustane Corp
(dry organic granular compost turkey litter) Sustane

SUSTANE
A Natural Organic Fertilizer
Sustane Corporation
1107 Hazeltine Blvd., Chaska, MN 55318
(612) 448-8828

Triazone Div Arcadian Corp
(Triazone, Reacted UF) N-Sure, Formolene-Plus
UAP Special Products Inc
UAP
Uniroyal Chemical World Headquarters
(Foliar Nutrients) Solu-Spray, Vitatone Iron

Fungicide, Tree

DowElanco
(ferarimol) Rubigan
Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Grace Sierra
Duo San
LESCO Inc
(Maneb, Zinc) LESCO Mancozeb; LESCO Benomyl DG; LESCO 4 Flowable w/Zinc
J J Mauget Co
(DEBC) Fungisol; (Oxycarboxin) Fungisol PV
Mobay Corp
(Triadimefon) Bayleton
Southern Mill Creek Products Co
Tersan 1991
UAP Special Products Inc
Captam; Mancozeh

Fungicide, Turf

Andersons (The)
CelPril Industries
(Seed coating) Apron
Ciba Geigy Corp Turf & Ornamental Products
(Metalaxyl) Subdue; (Propiconazole) Banner; (Metalaxyl/Mancozeb) Pace
W A Cleary Chemical Corp
Cleary Spotrete; Cleary 3336 WSB; Cleary PMAS; Cleary Caddy
DOTS (Distributors Own Turf Supplies)
(Bayleton, Baenomyl) DOTS
DowElanco
(fenarimol) Rubigan; (fenarimol + cholorothalinil) Broadway
E I DuPont de Nemours & Co
(Benomyl) Tersan 1991 DF; (Mancozeb) Tersan LSR
Elanco Products Co
(Fenarimol) Rubigan
Fermenta ASC Corp
(Chlorothalonil) Daconil 2787 Flowable, Daconil 2787 W-75, Daconil 2787 WDG
Grace Sierra
(Thiophanate methyl) Fungo; (Vinclozolin) Vorlan41100; (Mercuries) Calo-Clor & Calo-Gran; (Thiram) Thiramad
Jonathan Green Inc
Banol; Bayleton; Chipco 26019; Daconil 2787; Aliette; Bayleton Granular; Tersan 1991
Gustafson Inc
(Metalaxyl) Gustafson Apron-FL, Apron 25W, Apron 12.5% dust Seed Treatment
Howard Johnson Ent Inc
(Bayleton))
J & L Adikes Inc
(Dyrene) GRO-WELL
Kincaid Enterprises Inc
(Chloroneb) Terraneb SP

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Lebanon Turf Products Div Lebanon Chemical Corp
(Bayleton (Tridemefon)) Lebanon; (Daconil 2787 (Chlorothalonil)) Green Gold, Lebanon; (Benomyl) Lebanon
LESCO Inc
Lesco PCNB 10%; LESCO 1.0% Bayleton; (Thiram) LESCO Thiram 75DG; LESCO Benomyl DG; (Chlorothalonil, Fenarimol) LESCO TwoSome; (Maneb, Zinc) LESCO Mancozeb
Mobay Corp
(Triadimefon) Bayleton; (Anilazine) Dyrene
NOR-AM Chemical Co
(Propamocarb) Banol
PBI-Gordon Corp
(chloroneb) Teremec; (fore) Formec
Rhone-Poulenc AG Co
(Iprodione) CHIPCO 26019; (Aluminum Tris) CHIPCO Aliette
Rigo Co Black Leaf Products Co
(mancozeb) Black Leaf Fore
Royalgard Products Co
(Thiophanate Methyl) Chariot; (mancozeb) Shield
O M Scott & Sons Co
(Thiophanate-methyl, Iprodione) Proturf Fluid Fungicide; (PCNB) Proturf FF II; (Tiliadimefon, Metalaxyl) Proturf Fluid Fungide II
Southern Mill Creek Products Co
Daconil 2787; W-75; Chipco 26019; Dithane F-45
UAP Special Products Inc
(PCNB) Mancozeh, Tersan, Daconil, Sulsdue, Banner
Uniroyal Chemical World Headquarters
(PCNB) Turfcide, Terraclor; (Etradiazel) Terrazole

Grass Coatings

CelPril Industries
Nutri-Kote; Nutri-Kote & Apron
Nature's Touch Div of Agro Chem Inc
(nutrient to keep healthy grass stay) Nature's Touch Green Magic
Pennington Enterprises Inc
(apron) PenKote

Growth Regulator, Turf/Ornamental

Abbott Laboratories
(Gibberellic acid) PRO-GIBB
Andersons (The)
Burlington Scientific Corp
(Kinetin Gibberellic Acid Auxins) Auxinal
DowElanco
(flurpyrimidol) Cutless
Elanco Products Co
(Fluprimidol) Cutless
Leffingwell Uniroyal Chemical
(Chlorflurenol) Maintain CF-125, Maintain A
LESCO Inc
Cutless 50W
Nature's Touch Div of Agro Chem Inc
Force
PBI-Gordon Corp
(metluidide) Embark; (amidochlor) Limit
Roots Inc
(marine algae extract, humic acid, metabilizers, co-enzymes) Roots
O M Scott & Sons Co
(Paclobutazol, Methyleneureas, ammuniated phosphate, potassium sulfate) Proturf Fertilizer with TGR Pla annual control, Proturf Hybrid Bermuda TGR Plus Fertilizer
UAP Special Products Inc
Limit
Uniroyal Chemical World Headquarters
(Maleic hydrazide) Royal Slo-Gro; (Daminozide) B-Nine SP

Herbicides, Aquatic

Andersons (The)
Applied Biochemists Inc
(Diquat) Weedtrine-D; (2,4-D granular) Weedtrine II
Arborchem Products Co
(Glyphosate) Rodeo; (diquat bromide) Diquat
DowElanco
(Fluoridone) Sonar
Elanco Products Co
(Fluridone) Sonar
LESCO Inc
LESCO Sonar AS; LESCO Sonar SRP; Lescocide-Plus
Monsanto Agricultural Co
(Glyphosate) Rodeo
PBI-Gordon Corp
(dichlobenil) Norosac 10G
Rhone-Poulenc AG Co
(2,4-D) Aqua-Kleen
Riverdale Chemical Co
(2,4-D (IOE)) 2,4-D Granules; (2,4-D Amine) Weedestroy AM-40 Amine Salt
Southern Mill Creek Products Co
Aquozine; Aquathol K; Hydrothol 191; Rodeo
UAP Special Products Inc
Aquashade Aquathel; Hydrothol
Uniroyal Chemical World Headquarters
(Dichlobenil) Casoron-10G
Valent USA Corp
(Diquat) Diquat

Herbicides, Nonselective

Andersons (The)
Arborchem Products Co
All
Jonathan Green Inc
Pramitol; Round-Up; Prometon 5E Glysophate
Hoechst-Roussel Agri-Vet Co
(Glufosinate-ammonium) Ignite Herbicide
Howard Johnson Ent Inc
J & L Adikes Inc
(Pramitol & 2,4-D) GRO-WELL No-Gro
LESCO Inc
(Glyphosate) LESCO Avail; LESCO Pro Trim; (Sodium metaborate tetrahydrate, sodium chlorate, bromacil) Lescobar
Monsanto Agricultural Co
(Glyphosate) Roundup & Expedite
PBI-Gordon Corp
Vegemec; (dichlobenil) Dycdmel 4-G
Rhone-Poulenc AG Co
(Amitrole) Amitrol-T

continued

Rigo Co Black Leaf Products Co
(Pramitol) Rigo's Best Non-Selective Weed Killer; (sodium chlorate, sodium metaborate) Black Leaf Grass, Weed & Veg Killer
Riverdale Chemical Co
(Sodium Chlorate) Killsall; (Bromacil & Diuron) DiBro Granular & DiBro 2 + 2; (Velpar L) 1.25% Hexazinone; (Pramitol) Prometon 5# Veg Killer Conc; (Bromacil) 2.5% Bromacil Liq R-T-U
Southern Mill Creek Products Co
Hyvar; Velpar; Karmes
UAP Special Products Inc
Roundup; Diquat
Uniroyal Chemical World Headquarters
(Dichlobenil) Casoron-10G, 50W
Valent USA Corp
(Diquat) Diquat Trim & Edge

Herbicides, Ornamental

Arborchem Products Co
(Oryzalin) Surflan AS; (Glyphosate) Roundup
BASF Corp
(Sethoxydim) Vantage
DOTS (Distributors Own Turf Supplies)
(surflan) DOTS
DowElanco
(oryzalin) Surflan; (oryzalin + benefin) XL
Jonathan Green Inc
Weed Screen w/Treflan 1.75%; Treflan 5G; Surflan AS
Lebanon Turf Products Div Lebanon Chemical Corp
(Treflan (Trifluralin)) Lebaonon, Green Gold
LESCO Inc
LESCO Ornamental Herbicide 5G; LESCO Take-Out
PBI-Gordon Corp
(L V Esters of 2,4-D & Dicamba) Super Trimec

Herbicides, Postemergence

American Cyanamid Co
(Imazaquin) Image
Andersons (The)
Arborchem Products Co
All
BASF Corp
(Bentazon) Basagran T/O; (Sethoxydim) Vantage
W A Cleary Chemical Corp
Cleary MCPP 2,4-D; Clearys Methar 30; Clearys MCPP
DOTS (Distributors Own Turf Supplies)
(triamine, trimec) DOTS
Dow Chemical Co
(Triclopyr & 2,4-D) Turflon II; (Triclopyr) Turflon; (Chlorpyralid & Trichlopyr) Confront
DowElanco
(2,4-D + triclopyr) Turflon; (triclopyr + clopyralid) Confront
Fermenta ASC Corp
(MCPP +2, 4-D Amine Dimethylene salt of 2,4-D & MCPP) 2+2 (MCPP + 2,4-D Amine); (N-Oleyl-1,3-Propylene Diamine Salt of 2,4-D) Dacamine 4D; (MSMA) Daconate 6; (MSMA) Bueno 6 (West Coast); (DCPA) Dacthal Flowable; (DCPA) Dacthal W-75
Grace Sierra
(MCPP, Dicamba, 2-4 D) Trex-San Broadleaf
Jonathan Green Inc
Trimecs; Trimec Plus; Basagran; Trimec Granules; Weed & Feed 19-4-4; Triamine; Riversale Weedestroy; Weedone DPC
Hoechst-Roussel Agri-Vet Co
(Fenoxaprop-ethyl) Acclaim

SEE AD NEXT COLUMN

Howard Johnson Ent Inc
(Triamine, 2,4-D Amine & Ester)
J & L Adikes Inc
(Trimec DSMA) GRO-WELL
LaRoche Industries Inc
(Trimene, weed & Feed) Vertagreen

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Circle No. 225 on Reader Inquiry Card

continued

Lebanon Turf Products Div Lebanon Chemical Corp
(2,4-D & MCPP) Country Club, Lebanon, Green Gold, Turfmaster; (Trimec (2,4-D & MCPP & Dicamba)) Lebanon Pro
LESCO Inc
(2,4-D & 2,4-DP) LESCO Granular Herbicide; LESCO Moss & Algae Eraser; (Fluazifop-p-butyl) LESCO Take-Out; LESCO TFC; LESCO Image; LESCO MSMA 6.6; (MCPP) Lescopex; LESCO Weedone; (2,4-D) LESCO A-4D; LESCO Bentgrass Selective Broadleaf Herbicide; (2,4-D, MCPP & Dicamba) LESCO Three Way; LESCO Spot Weeder; (2,4-D, MCPP & dicamba) LESCO Three-Way; (2,4-D) LESCO A-4D; (MCPP) Lescopex; (MSMA) LESCO MSMA 6.6; LESCO Image; LESCO TFC; LESCO Moss & Algae Eraser
Mobay Corp
(metribuzin) Sencor
Monsanto Agricultural Co
(MCPP, 2,4-D) Expedite Broadleaf Herbicide
NOR-AM Chemical Co
(Ethofumesate) Prograss
PBI-Gordon Corp
(Amine 2,4-D, MCPP + Dicamba) Trimec Classic, Bentgrass Formula, Southern Formula, Encore, Applicators Formula
Rhone-Poulenc AG Co
(asulam) Asulox; (2,4-D plus 2,4-DP) Weedone DPC
Rigo Co Black Leaf Products Co
(MSMA) Rigo's Best Grabgrass Killer; (Eptam) Black Leaf Eptam Weed Control
Riverdale Chemical Co
(MCPA, MCPP & 2, 4-DP/Amine) Triamin II, Par 3; (2,4-D, MCPP & 2,4-DP (Amine)) Triamine Granular Weed Killer, Triamine Jet-Spray Spot Weed Killer, Triamine; (2,4-D Amine) Weedestroy AM-40 Amine Salt, Turf Weedestroy D; (2,4-D, MCPP & 2,4-DP (IOE)) Tri-Ester; (MPA, MCPP & 2, 4-DP (IOE)) Tri-Ester II; (2,4-D & 2,4-DP (IOE)) Turf D + DP, Brush Killer; (Mecoprop (Amine)) Weedestroy MCPP-2 Amine, MCPP-4 Amine; (Mecoprop (IOE)) MCPP L.V. Ester; (2,4-D & Dichlorprop (Amine)) 2 D + 2 DP Amine; (Mecoprop IOE) MCPP L V Ester; (MCPA (Amine)) MCPA-4 Amine; (Dichlorprop/IOE) DP 4 Ester; (2,4-D IOE) 2,4-D Granules; (2,4-D, MCPP & 2,4-DP (Acid)) Triamine II W S; (2,4-D Amine) Weedestory Amine 6D; (Mecoprop & 2,4-D) 2-MCPP & 2 D Amine; (2,4-D & MCPP (IOE)) Granular Lawn Weed Killer
Royalgard Products Co
(2,4-DP, MCPP, MCPA) Sabre
O M Scott & Sons Co
(Dicamba) Proturf K-O-G; (Atrazime methylene ureas, urea, ammuniated phisphate, muriate of Potash) Proturf St Augustine Weed Control Plus Fertilizer; (2,4-D MLPP, Dicamba) Proturf Fertilzer w/dicct weed control III
Southern Mill Creek Products Co
Roundup; MSMA 6.66
UAP Special Products Inc
MecAmine - D; Four Power Plus

SEE AD NEXT COLUMN

Uniroyal Chemical World Headquarters
(Dichlobenil) Casoron 2G, 4G

Herbicides, Preemergence

American Cyanamid Co
(Pendimethalin) Pendimethalin
Andersons (The)
Arborchem Products Co
All
Ciba Geigy Corp Turf & Ornamental Products
(Metalachlor) Pennant
DOTS (Distributors Own Turf Supplies)
(Team, Surflan, Dacthal, Tupersan Balan, Excel) DOTS
DowElanco
(benefin + trifluralin) Team; (benefin, benefin + oryzalin, oryzalin) Balan, XL, Surflan
Elanco Products Co
(Oryzalin) Surflan; (Benefin) Balan; (Oryzalin + Benefin) XL; (Benefin, Trifluralin) Team; (Trifluralin) Treflan
Grace Sierra
(Betasan) Pre-San

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Jonathan Green Inc
Balan; 22-2-6 w/TEAM; 15-5-5 w/ TEAM; 28-3-5 w/Team; Crab Spray 10% Team; Team; 10-15-10 w/Tupersan (Siduron)
Howard Johnson Ent Inc
(Team, Dacthal, Balan, Dryzalin, Excel, Tupersan, Betasan)
ICI Americas Inc
(Bensulide) Betusan; (Propionamide) Devrinol; (Dipropylthiocarbamate) Eptam
J & L Adikes Inc
(Tupersan Team) GRO-WELL
LaRoche Industries Inc
(Team, Balan, Ronstar) Vertagreen
Lebanon Turf Products Div Lebanon Chemical Corp
(Balan (Benefin)) Country Club, Lebanon, Turfmaster, Green Gold; (Betasan (Bensulide)) Lebanon, Country Club; (Dacthal (DCPA)) Lebanon, Country Club; (Ronstar (Oxidiazon)) Country Club; (Team (Benefin & Trifluralin)) Country Club, Green Gold, Lebanon Pro; (Tupersan (Siduron)) Lebanon, Green Gold; (Surflan (Oryzalin)) Country Club
LESCO Inc
LESCO Pre-M; LESCO Ornamental Herbicide 5G; LESCO Soil Prep; Lescosan 4E; Lescosan 7G; LESCO Dacthal 5G; LESCO 2.5 benefin Granular
Mobay Corp
(metribuzin) Sencor
NOR-AM Chemical Co
(Ethofumesate) Prograss
PBI-Gordon Corp
(2,4D, MCPP, dicumba + MSMA) Trimec Plus
Rhone-Poulenc AG Co
(Oxidiazon) Chipco Ronstar
Rigo Co Black Leaf Products Co
(Dacthal) Rigo's Best Weed Granules; (Treflan) Rigo's Best Grarden Weed Granules
Royalgard Products Co
(Benzulide) Roysan 4E, 12.5G
O M Scott & Sons Co
(Pendamethalin, Methylene urea) ProTurf HD Fertilizer Plus Turf Weedgrass Control; (Pendimethalin) Proturf Turf Fertilizer Plus Preemergent Weed Control; (Pendamethalin, Methylene urea) Proturf Weedgrass Control; (Siduron) Proturf Starter Fertilizer w/ Preemergence weed control
Southern Mill Creek Products Co
Ronstar
UAP Special Products Inc
Weedgrass Control; Team; XL; Balan; Casaron; Surflan
Uniroyal Chemical World Headquarters
(Naptalzm) Alanap L

Insecticides, Tree/Ornamental

Abbott Laboratories
(Bacillus thuringiensis) DIPEL
Creative Sales Inc
(Acephate) Acecap 97 Systemic
Dow Chemical Co
(Chlorpyrifos) Dursban
DowElanco
(chlorpyrifos) Pageant
F M C Corp Ag Chem Group
(Biferthrin) Talstar

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Jonathan Green Inc
Dursban 50% WSB; Sevin 4L
Howard Johnson Ent Inc
(Dursban, Oftanol, Diazinon, Trichlorfon Sevin brand carraryl insecticide))
J & L Adikes Inc
(Malathion, Methoxychlor, Diazinon, Sevin, Horticultural Oil) Gro-Well
Kincaid Enterprises Inc
(Methoxychlor) Marlate 50 WP
LESCO Inc
LESCO Sevin 6.3 Granular; (Diazinon) LESCO Diazinon 500; (Chlorpyrifos) LESCO Dursban 2.32G
Maag Agrochemicals Inc
((IGR) fenoxycarb) LOGIC Fire Ant Bait
J J Mauget Co
(Oxydemeton-methyl) Inject-A-Cide; (Dicrotophos) Inject-A-Cide B
Mobay Corp
(Oxydeneton-methyl) Metasystox; (cyfluthrin) Tempo
NOR-AM Chemical Co
(Bendiocarb) Turcam & Turcam 2-1/2G
PBI-Gordon Corp
(Fenitrothion) Pestroy
Prentiss Drug & Chemical Co
(Methoxychlor) Prentox 2lb Methoxychlor Spy; (Diazinon) Pentox Diazinon AG-500 & 50W; (Malathion) Pentox 5lb Malathion Spy

continued

Reuter Laboratories Inc
(Potassium salts of fatty acids) Aphid-Mite Attack Concentrate
Rhone-Poulenc AG Co
(Carbaryl) Sevin
Rigo Co Black Leaf Products Co
(Nicotine Sulphate) Black Leaf 40
Ringer Corp
(insecticidal soap concentrate) Aphid-Mite Attack
D B Smith & Co
DIPEL
Southern Mill Creek Products Co
Mavrik; Sevin
UAP Special Products Inc
Malathion; Safer; Carlsaryl; Mavrik
Uniroyal Chemical World Headquarters
(Diflubenzuron) Dimilin 25W
Valent USA Corp
(Acephate) ORTHENS Turf, Tree & Ornamental Spray; (Fenpropathrin) Tame

Insecticides, Turf

Abbott Laboratories
(Bacillus thuringiensis) DIPEL
American Cyanamid Co
(Tetrahydro) AMDRO
Andersons (The)
Tee Time
Ciba Geigy Corp Turf & Ornamental Products
(Isazofos) Triumph
DOTS (Distributors Own Turf Supplies)
(Diazinon, Carbaryl, Dycox, Oftanol Dursban granules & w/ fert) DOTS
Dow Chemical Co
(Chlorpyrifos) Dursban
DowElanco
(chlorpyrifos) Dursban
EcoHealth Inc
(Peruethrin) Damminix
Jonathan Green Inc
Dursban 2.32%G; Dylox 6.2%G; Sevin 4L; Dursban 50% WBS; Turcam 76% WP; Sevin 5%G; Turcam 2.5%G
LaRoche Industries Inc
(Trichlorofon, Diazinon, Dursban) Vertagreen
Lebanon Turf Products Div Lebanon Chemical Corp
(Dursban (Chlorpyrifos)) Country Club, Green Gold, Lebanon, Lebanon Pro; (Oftanol (Isofenfos)) Lebanon, Country Club, Lebanon Pro; (Dylox (Dimethyl Phosphonate)) Lebanon; (Diazinon) Lebanon; (Sevin (Carbaryl)) Lebanon
LESCO Inc
(Carbaryl) LESCO Sevin Brand 6.3G; (Carbaryl) LESCO Sevin Brand SL; LESCO Oftanol 1.5G; (Chlorpyrifos) LESCO Dursban 2.32G & 0.97G; LESCO Diazinon 500, 5G & 14G; LESCO White Grub & Sod Webworm Insecticide 6.2
Maag Agrochemicals Inc
((IGR) fenoxycarb) Logic Fire Ant Bait
Mobay Corp
(Trichlorfon) Dylox; (Isofenphos) Oftanol
NOR-AM Chemical Co
(Bendiocarb) Turcam; (Trichlorfon) Proxol
PBI-Gordon Corp
(Fluazifop Butyl) Ornamel
Prentiss Drug & Chemical Co
(Chlorpyrifos) Prentox Dursban 4E; (Diazinon) Preniox Diazinon AG-500 & 5G
Reuter Laboratories Inc
(Spores of bacillus popilliae Dutky) Grub Attack
Rhone-Poulenc AG Co
(Carbaryl) Sevin; (Ethoprop) Chipco Mocap 5G
Rigo Co Black Leaf Products Co
Rigo's Best; (Oftanol) Rigo's Best Turf Saver; (Avermectin) Affirm Fire Ant Killer
Ringer Corp
(Bacillus popilliae milky spore disease) Grub Attack
Royalgard Products Co
(Dimethoate) Cygon 2-E; (Diazinon) Diazinon 5G & 4E; (Chlorpyrifos) Mole Cricket Bait D; (Malathion) Malathion 5E; (Carbaryl) Sevin 4F; (Chlorpyrifos) Dursban 4E & 2.32 G
O M Scott & Sons Co
(Chlorpyrifos) ProTurf Fertilizer Plus Insecticide III; (Diazincn) Insecticide I; (Isofenfous) Insecticide IV
D B Smith & Co
(resmethrin) BURGESS
Southern Mill Creek Products Co
Dursban 2E; Diazinon 4E
UAP Special Products Inc
Turcam; Durshan; Sevin 10G; Carbaryl; Diazinon; Triumph
Valent USA Corp
(Acephate) ORTHENE Turf, Tree & Ornamental Spray

Miticides

Mobay Corp
(Oxythioquinox) Morestan
Southern Mill Creek Products Co
Deltic
UAP Special Products Inc
Pentac; Orthene
Uniroyal Chemical World Headquarters
(Propzrgite) Ornamite
Valent USA Corp
(Fenpropathrin) Tame

Mulches & Erosion Control

Becker-Underwood Inc
Mulch Magic

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Remember that environmentally friendly Roundup® herbicide is biodegradable. It won't build up in the soil, so you can use Roundup with confidence along customers' driveways, sidewalks and fences, and—wherever trimming, edging or weed problems pop up. For more information, see your dealer, or call toll-free 1-800-323-1421 and REMEMBER THE ROUNDUP.
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The other half is keeping it alive. Use ROOTS*, the root growth enhancer, to make your installed trees and shrubs thrive. Landscape contractors use ROOTS for fast root regrowth that reduces transplant shock and helps the tree support its above above-ground biomass. Just drench the soil after planting with ROOTS diluted 50 to one. Two ounces of ROOTS (concentrate) to one inch caliper, so a gallon will treat sixty seedlings or ten to twenty large trees.

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ROOTS was developed by scientists at the Yale School of Forestry and is widely used for transplanting, and the maintenance of all stressed trees.
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Circle No. 141 on Reader Inquiry Card

Chemicals

continued

Belton Industries Inc
(all natural fabrics) ANTI-WASH; (coconut fiber matting) DEKOWE
Cellin Mfg Inc
Cellin Fiber Mulch; Cellin-K; (Tackifier) Cellin Seal, Spoiler Fiber Mulch
Jonathan Green Inc
Jonathan Green Hydro Seeding Fibermulch; Jonathan Green Hydrogreen Tackifier; Staples; Excelsior Blankets; Jute Netting; Jonathan Green Super Tackifier
Hoechst Celanese Corp
(100% Polyesther fibers) Earth Blanket
Nature's Touch Div of Agro Chem Inc
(plant/microbial by-products, enzymes, wetting agents) Nutra Aid
Paygro Co
Paygro Hardwood Mulch
Proseed (USA) Inc
(coastal bermuda hay, non-toxic polymer) PS100 Mulch Blanket
PRSM Inc
(Vegatative gum based) Mulch Mate Hydroseeding Tackifiers; (cellulose based fiber mulch) Quickseed Hydroseeding Mulch
Soil Seal Corp
(Copolymer of methacrylates & acrylates) Soil Seal Concentrate
Weyerhaeuser Co
Silva-Fiber Hydraulic Planting Mulch

Silva-Fiber®
Wood Fiber Mulch
and Silva-Fiber Plus®
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Weyerhaeuser

Nematicides

Igene Biotechnology Inc
(Chitin Protein Complex) ClandoSan(R)
LESCO Inc
Mocap 5G; LESCO Soil Prep
Mobay Corp
(fenamiphos) Nemacur
Rhone-Poulenc AG Co
(Ethoprop) Chipco Mocap 5G
Southern Mill Creek Products Co
Mocap; Nemacur
UAP Special Products Inc
Nemacur

Penetrant, Metal

LESCO Inc
(petroleum based) Lesco 4-Way Lubricant

Repellents, Animal

Burlington Scientific Corp
(Denatonium Saccharide)Ro-Pel); (Vilex) RoPel Garbage Protect.r
W A Cleary Chemical Corp
(Thiram) Cleary's Spotrete
Gustafson Inc
(Thiram) Gustafson Thiram 42-S
Necessary Trading Co
Hinder
Rigo Co Black Leaf Products Co
(dried blood, tobacco dust, moth balls) Black Leaf Hare & Hound Repellent; (Nicatine sulphate) Black Leaf 40
Uniroyal Chemical World Headquarters
(Ammonium soapsof higher fatty acids) Hinder

Soil Amendments

Aglukon Agri-Products
(co-polymer acrylamide & pot aerylale) Viterra gelscape

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Still the Product of Choice for Preemergent Control.

Turf managers keep choosing LESCO PRE-M® 60 DG preemergent herbicide because it's **cost effective**. They know from experience that it gives them control. Control over most major annual grassy weeds plus a variety of the most troublesome germinating broadleaf weeds.

PRE-M stops crabgrass, annual bluegrass, foxtail, goosegrass, barnyardgrass and fall panicum. And it's effective on these tough-to-control broadleaf weeds: oxalis, spurge, common and mouseear chickweed, henbit, evening primrose and hop clover.

LESCO PRE-M contains **pendimethalin,** a proven performer for broad-spectrum weed control. Programmed applications of LESCO PRE-M control both early and late germinating weeds. Labeled for use on most northern and southern turfgrasses, PRE-M's water-dispersible formula can be tank mixed with most fertilizers and pestcides.

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Contact your LESCO Sales Representative, visit your nearest LESCO Service Center or call toll free (800) 825-3726. In Cleveland, call (216) 333-9250.

LESCO

LESCO, Inc.
20005 Lake Road
Rocky River, Ohio 44116

Always read and follow label instructions before applying any herbicide product. PRE-M® is a registered trademark of LESCO, Inc.

CYANAMID
Agricultural Division
VPC Ventures
Wayne, NJ 07470

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Circle No. 127 on Reader Inquiry Card

continued

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(Elemental sulfur) Nutri-Sul 90
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(natural turf repair) DOTS
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LESCO Inc
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Nacco Tyfo
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Nature's Touch Div of Agro Chem Inc
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Organic Lawn Care
(Humic acid) Soluble Humic Acid
PBI-Gordon Corp
(extract of dairy cow slurry) Bov-A-Mura
Pennington Enterprises Inc
Pennington Vermiculite; PennGro Potting Soil
PRSM Inc
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Southern Turf Nurseries
(Calcine clay) Terra Green
Sustane Corp
(dry organic granular compost turkey litter) Sustane
UAP Special Products Inc
Turfade

Soil Conditioner

AMPEL
(pelletized lime) Granulime; (Pelletized lime & gypsum) Reveille; (pelletized Lime & Gypsum) Cal-Sul
Emerald Isle Ltd
(granular sea plant meal) Sand-Aid
Four Star Agricultural Service
(amonium lureth sulfate) Pene-Turf; (sulfate lureth) Perk; (sulfate lureth) Li-L Perk
Green Pro Services
(combination of humates & wetting agent) Vita Flow
JRM Chemical
Soil Moist Plus
LESCO Inc
LESCO-Wet; Turface; LESCO Spreader Sticker
Nature's Touch Div of Agro Chem Inc
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Organic Lawn Care
(enzymes) Soilaid
PBI-Gordon Corp
(extract of dairy cow slurry) Bov-A-Mura
Reinco Inc
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White Plains, NY 10602

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Soil Fumigants

Hendrix & Dail Inc
(Methyl Bromide/Chloropicrin) MBC-C/MBC/MBC-33
ICI Americas Inc
(Sodium methyldithiocarbamate) Vapam
LESCO Inc
LESCO Soil Prep
Rigo Co Black Leaf Products Co
(vapam) Black Leaf Vapam
Southern Mill Creek Products Co
Bromogas
Trebor Corp
(Activated Flowable Charcoal) Flowable Charcoal
UAP Special Products Inc
Basamid

Sorbents

Jonathan Green Inc
(polymer hydrogel) Gelscape
Warren K Lerfald
Chemsorb

Spill Absorbants

Arborchem Products Co
(Silicon Flakes) Spill Guard
W A Cleary Chemical Corp
Cleary's ClearSorb
Jonathan Green Inc
Hazorb Pillows
ICI Americas Inc
(Activated carbon) Grosafe
LESCO Inc
LESCO Hazorb Pillows
Precision Laboratories Inc
Chemsorb; Petrosorb
Spectrum Technologies Inc
Hazorb; Polysorb

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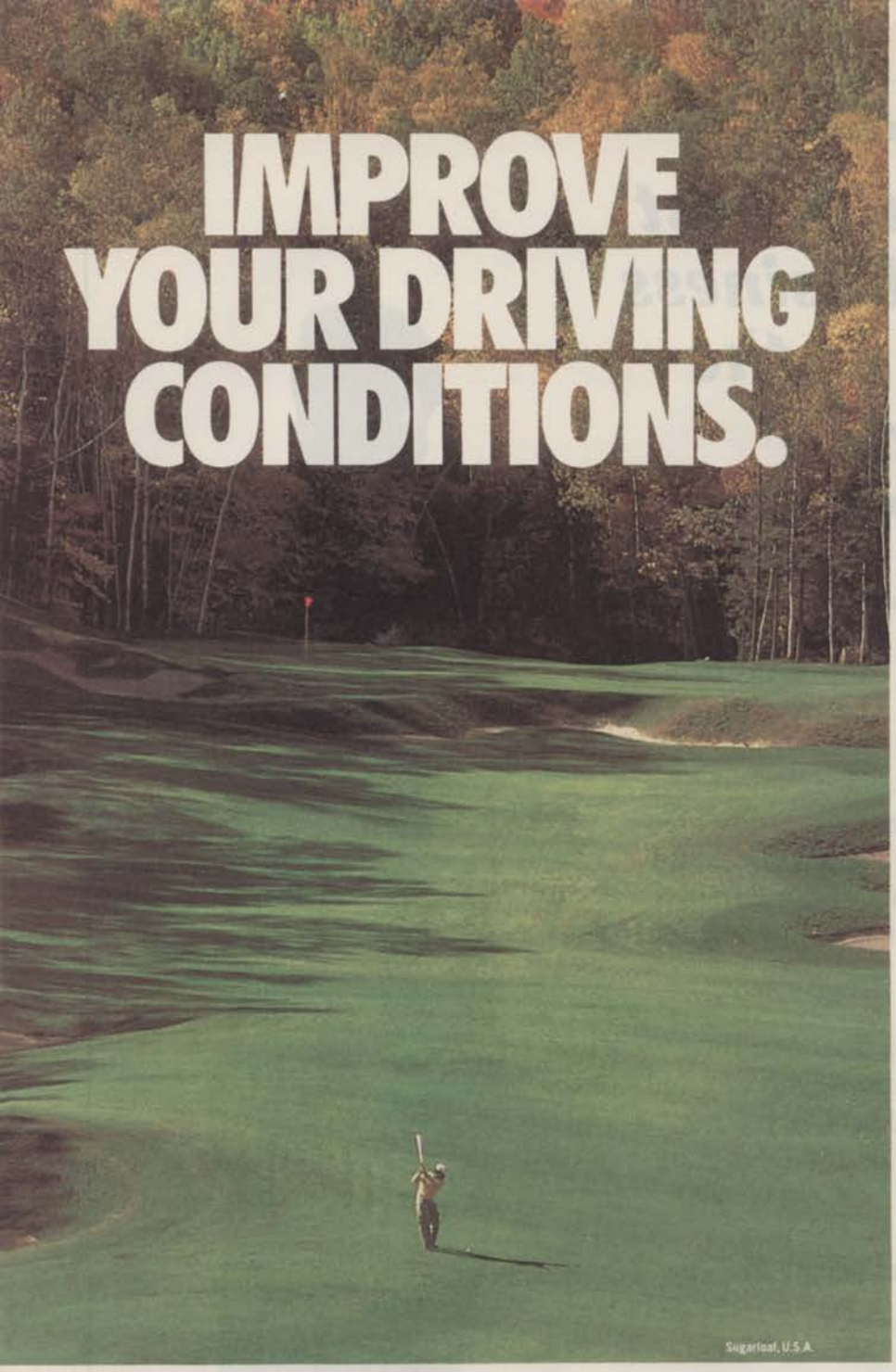

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Chemicals

continued

Trebor Corp
(Polymer starch) Soak-Up
Warren K Lerfald
Chemsorb

Sticker/Extender

Arborchem Products Co
(crop oil w/ pine masking agent) Clean Cut + Pine; Clean Cut
Finn Corp
(gum & additives) Hydro Stik
Kalo Inc
Bio-Film
LESCO Inc
LESCO Spreader Sticker
Nature's Touch Div of Agro Chem Inc
(plant/microbial by-products, enzymes, wetting agents) Nutra Aid
PBI-Gordon Corp
Exhalt 800
Precision Laboratories Inc
Chem-Stik
UAP Special Products Inc
Bond
Warren K Lerfald
Chem-Stick

Tree Dressings

Arborchem Products Co
(NAA Inhibitor) Sprout Gard
LESCO Inc
LESCO Pruning Paint

Wetting Agents

Aglukon Agri-Products
(blend of esters & ethers) Aquatrant
Aquatrols
(solid pellet formulation non-ionic organic wetting agent) AquaGro Advantage; (33% active ingredient non-ionic organic wetting agent) AquaGro Injectable; (Polyoxyethylene) AquaGro
Arborchem Products Co
(80% Surfactant) Surfactant; (90% surfactant) Aquatic Surfactant
W A Cleary Chemical Corp
Cleary's Super Wet
Grace Sierra
Hydraflo
Jonathan Green Inc
(surfactnat wetting agent) Aqua-Gro S & L
Green Pro Services
(combination of humates & wetting agents) Vita Flow
Kalo Inc
Hydro-Wet Liquid Concentrate; Hydro-Wet TG; Terra Green Granules
Lebanon Turf Products Div Lebanon Chemical Corp
(NAIAD) Country Club
LESCO Inc
LESCO-WET
Moyer Products Inc
(Alkylarylpolyoxtethelene Ether) Spray Film B
Nacco Tyfo
Wetting Agent
Nature's Touch Div of Agro Chem Inc
(plant/microbial by-products, enzymes) Nutra Aid
PBI-Gordon Corp
Turfex; Aqua-Zorb
Precision Laboratories Inc
Pen-A-Trate
Royalgard Products Co
(ethanol) Aquagard L & 15G
Southern Mill Creek Products Co
SMCP Wetting Agent Concentrate
UAP Special Products Inc
Aquatrel
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Activate
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Penatrate

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Abbott Laboratories
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Aglukon Agri-Products
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Congers NY 10920
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Agri-Diagnostics Assocs
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Cinnaminson NJ 08077
609-829-0110

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201-831-2000

AMPEL
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201-899-2499

Andersons (The)
1200 Dussel Dr
Maumee OH 43537
800-225-2639

Applied Biochemists Inc
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Mequon WI 53092
414-242-5870
800-558-5106

Aquashade Inc
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Eldred NY 12732
914-557-8077

Aquatrols
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Pennsauken NJ 08110
609-665-1130
800-257-7797

Arborchem Products Co
PO Box 1567
Fort Washington PA 19034
215-659-7922

BASF Corp
PO Box 13528
Research Triangle Park NC 27709
919-361-5300

Becker-Underwood Inc
701 Dayton Rd
Ames IA 50010
800-232-5907

Belton Industries Inc
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Atlanta GA 30350
404-587-0257
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Burlington Scientific Corp
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516-694-9000

Cellin Mfg Inc
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703-825-8000

CelPril Industries
251 Oak St
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Ciba Geigy Corp
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Greensboro NC 27419
919-292-7100

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Somerset NJ 08873
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800-524-1663(west of the Mississippi)

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215-723-5099

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Doggett Corp
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ONCE is engineered for professionals who install or maintain high visibility landscapes. Whether on golf courses, sports fields, private residences, or around City Hall, ONCE insures optimum turf and ornamental performance month-to-month.

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010 - ADVANCES IN TURFGRASS PATHOLOGY
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Leading U.S. turf pathologists report on turfgrass diseases, pythium blight, snow molds, fairy rings, leaf spot of Kentucky bluegrass in Minnesota, initial and field fungicide screening, turfgrass disease resistance, etc. Contains new ideas on how to combat turfgrass problems. **$27.95**

220 - CONTROLLING TURFGRASS PESTS
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230 - LAWNS-Third Edition
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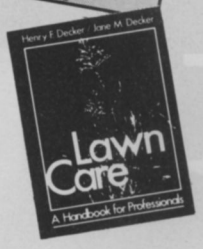
Designed as a textbook or a practical usage manual, this book has been completely brought up-to-date. Care of lawns and turfgrass, from selection of varieties to maintenance of established grass is completely covered. **$27.95**



235 - LAWN CARE: A HANDBOOK FOR PROFESSIONALS
by H. Decker, J. Decker
Written by turfgrass professionals, this handy guide will be invaluable for playing field managers, golf course managers, or any lawn care practitioner. Covers all aspects of turfgrass management. **$48.95**

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615 - TURF MANAGEMENT FOR GOLF COURSES
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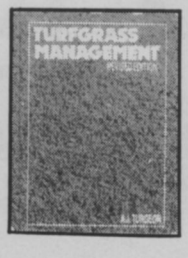

620 - TURF MANAGEMENT HANDBOOK
by Howard Sprague
Practical guide to turf care under both healthy and poor turf conditions. Chapters cover turf in cooler and warmer regions, fertilizer use, regular turf care, weed and disease control and special turf problems. Useful seasonal schedules for management of turf areas. **$26.60**

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110 - TURF MANAGERS' HANDBOOK-Second Edition
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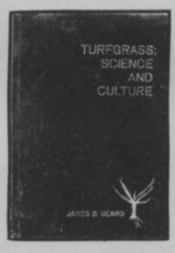

345 - COST DATA FOR LANDSCAPE CONSTRUCTION 1990
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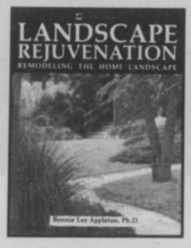

320 - LANDSCAPE REJUVENATION
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Explains how to rejuvenate a landscape renovation. Included is information on how to make an appraisal of the landscape, how to determine landscape needs, maintenance considerations, how to execute a landscape renovation. **$15.95**

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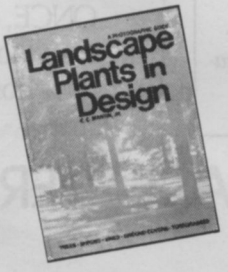

365 - LANDSCAPE PLANTS IN DESIGN
by Edward C. Martin
An annotated black & white photographic guide to the design qualities of ornamental plants and their aesthetic and functional use in landscape designing. Over 600 trees, shrubs, vines, ground covers and turfgrasses are described in non-technical language. Over 1900 photographs. Provides a basis for selecting the best plant materials for any particular use in landscape design. Contains detailed indexes that provide quick reference to particular design qualities and growing conditions. **$68.95**

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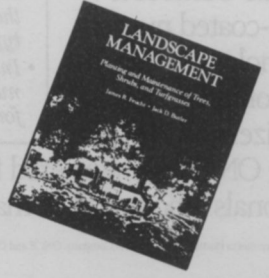

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410 - DISEASES & PESTS OF ORNAMENTAL PLANTS
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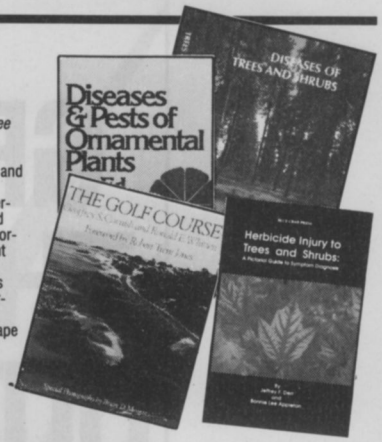
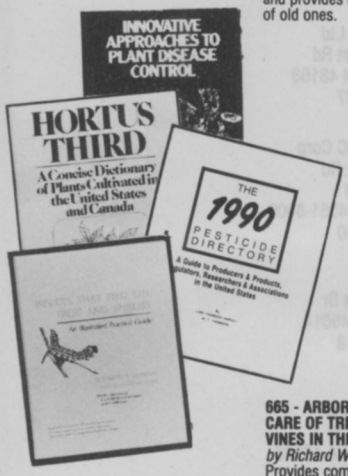
420 - HERBICIDE INJURY TO TREES AND SHRUBS
By Jeffrey F. Derr and Bonnie Lee Appleton
Describes how to diagnose herbicide damage to nursery crops and landscape ornamentals. Injury symptoms resulting from the herbicides used today are described and compared to other plant disorders to assist in diagnosing plant problems. Tables list common names, trade names, major uses and injury symptoms for the herbicides currently used in agronomic, horticultural, landscape and noncrop areas. **$24.95**




INNOVATIVE APPROACHES TO PLANT DISEASE CONTROL
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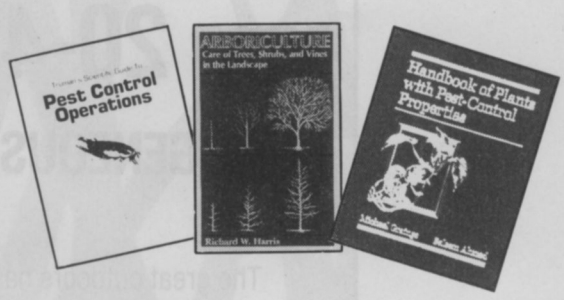
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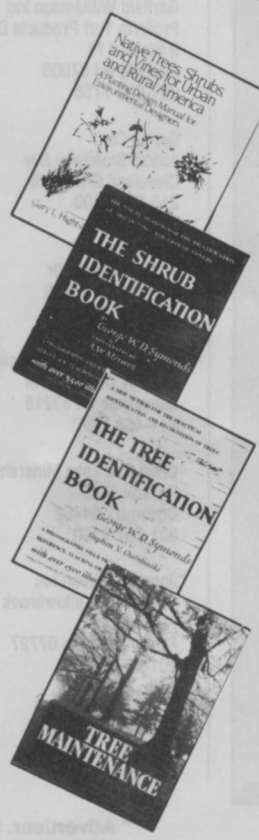
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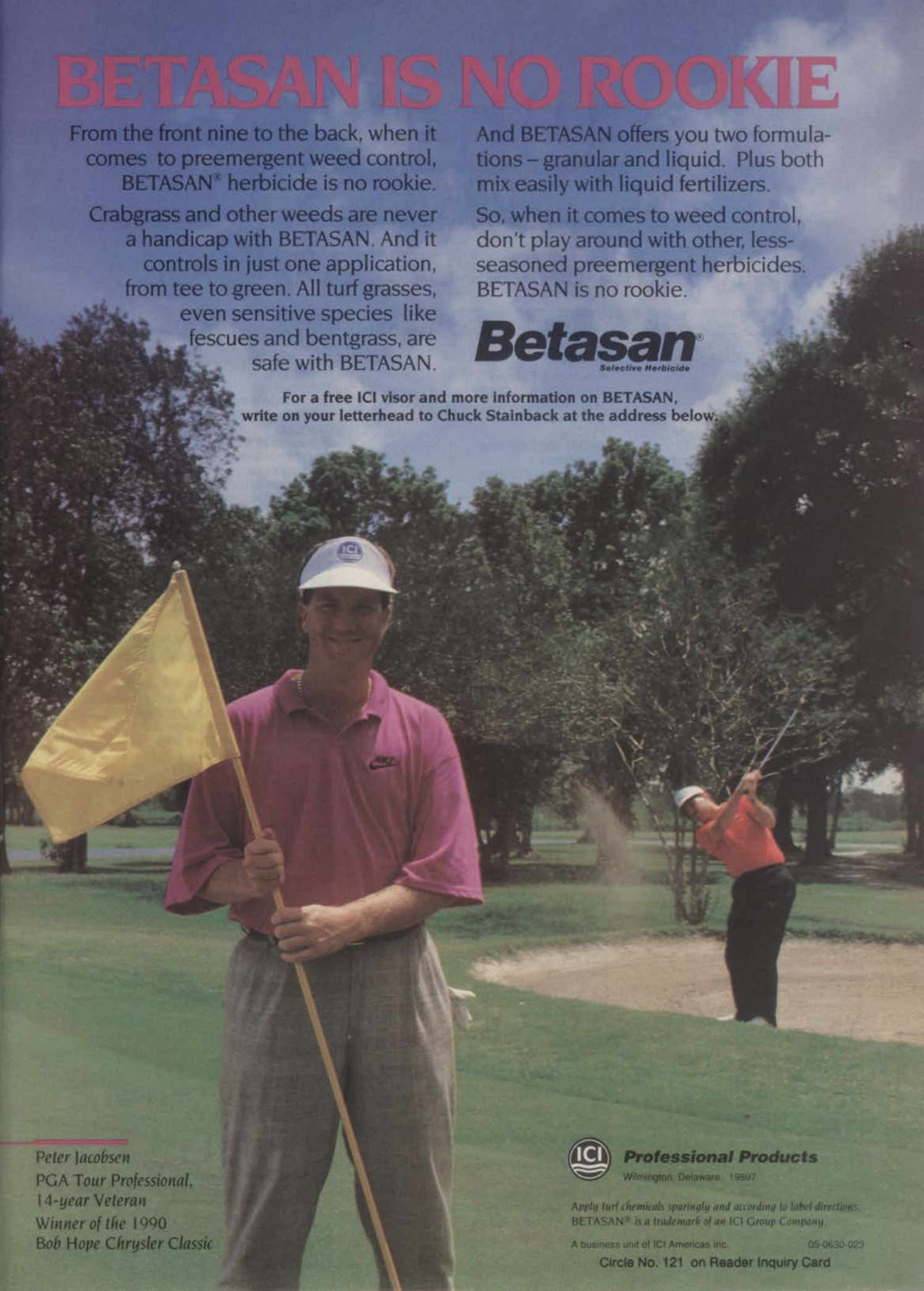

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Fax 503-585-3273
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Seed Research of Oregon Inc
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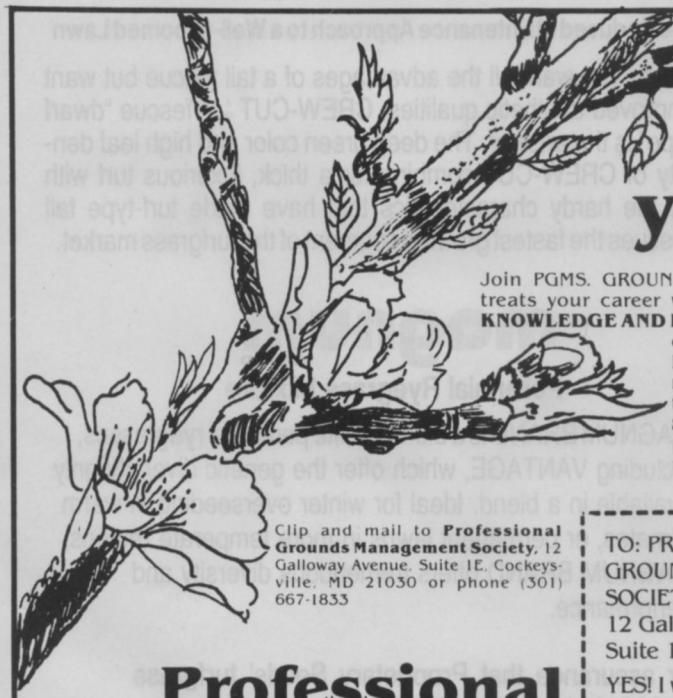

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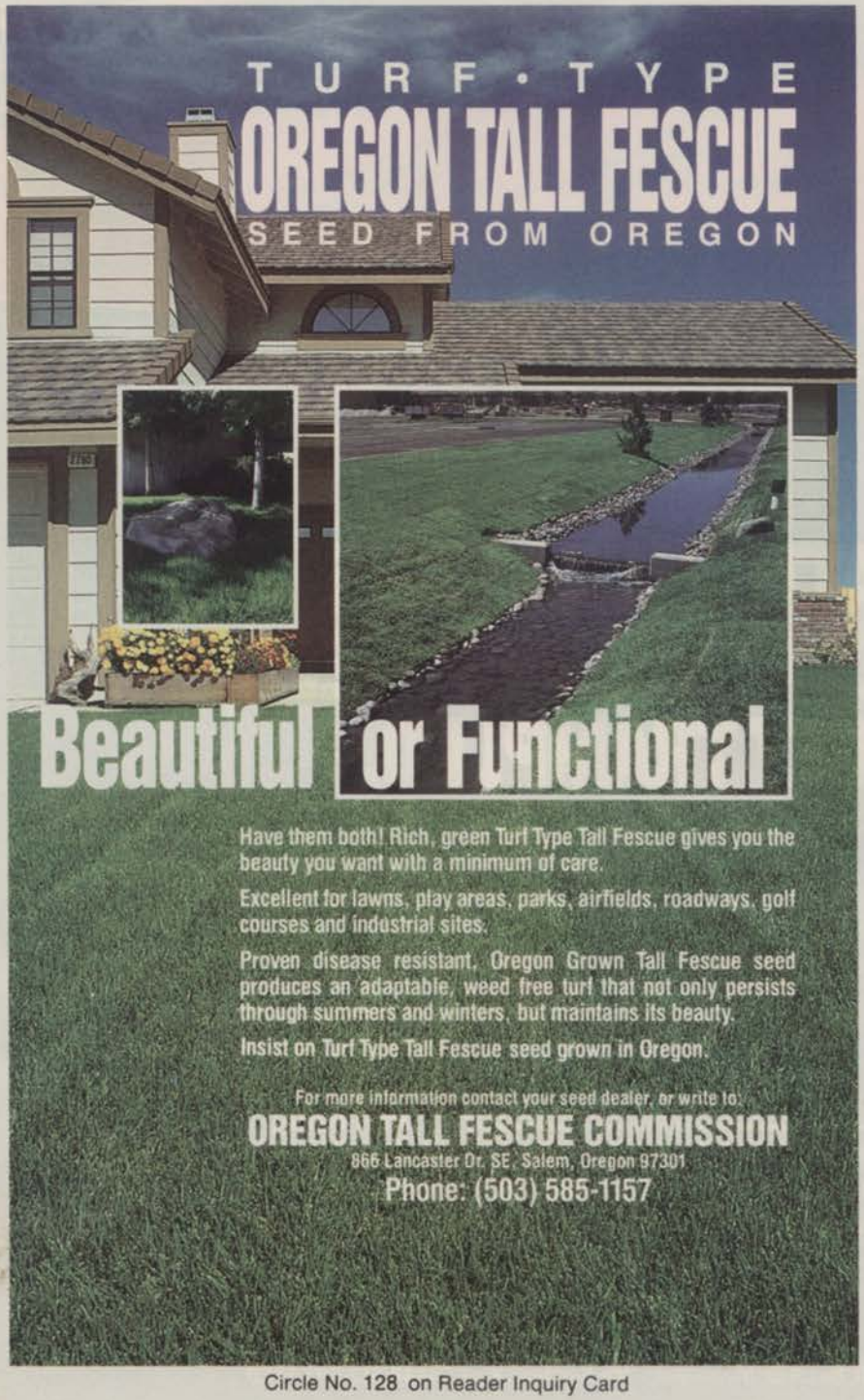
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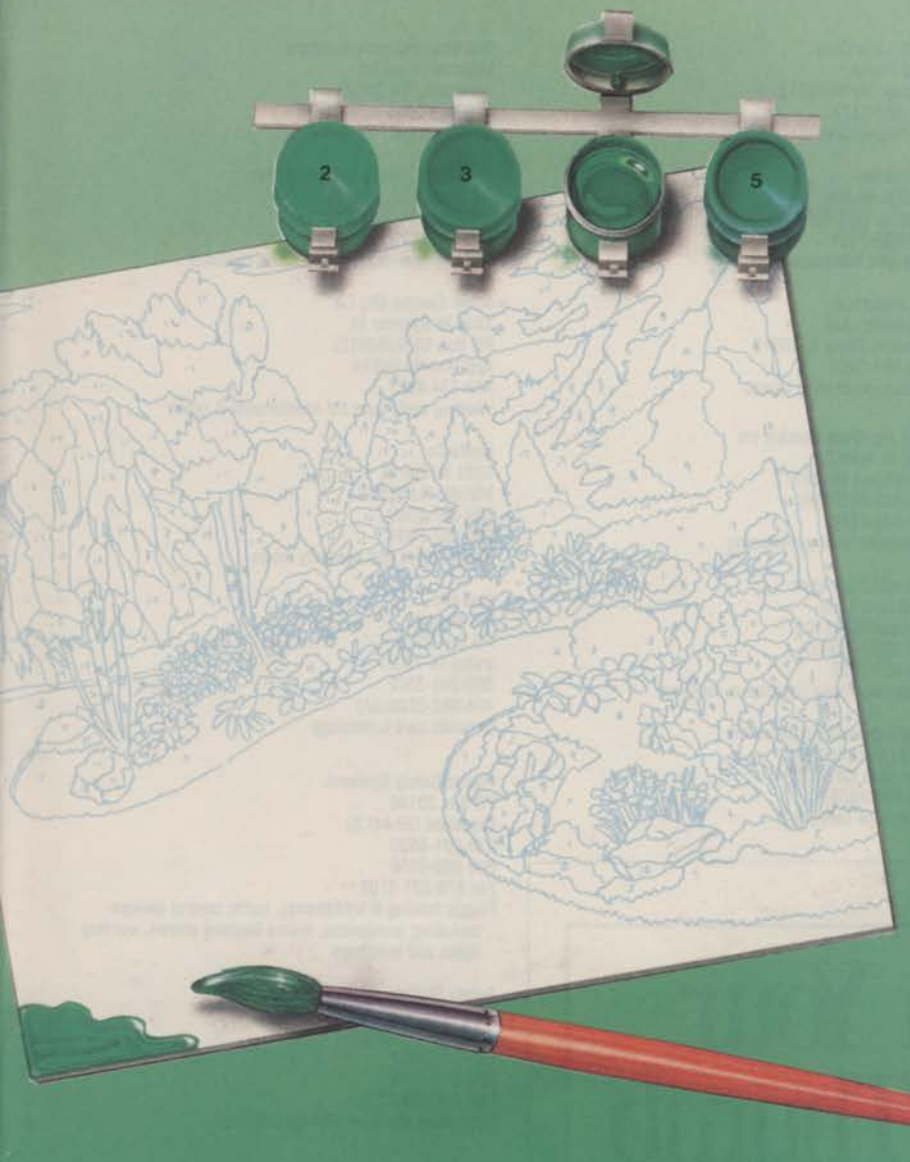

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Alamosa CO 81101
719-589-4925(CO)
800-528-2765
Decorative rocks (landscape supplies)

Environmental Industries Inc
24121 Ventura Blvd
Calabasas CA 91302
818-992-5900
Landscape services

G E Mobile Communications
Mountain View Rd
Lunchburg VA 24502
800-GE1-2345
Mobile radios

Hammer's Plastic Recycling Corp
RR 3 Box 182
Iowa Falls IA 50126
515-648-5073
Manufacturer of recycled plastic products

★Miller Electric Mfg Co
1635 W Spencer St
PO Box 1079 (54912)
Appleton WI 54914
414-734-9821
Welding equipment for maintenance & repair

Morie Co
1201 N High St
Millville NJ 08332
609-327-4500
800-257-7034
Sands, clays and specialty mixes

Opti-Gro
Div Mantek
PO Box 2170
Irving TX 75061
800-241-3302
404-952-0228(GA)
Grounds care technology

Plastic Safety Systems
PO Box 20140
Cleveland OH 44120
216-231-8590
800-662-6338
Fax 216-231-2702
Plastic fencing & accessories, traffic control devices including; barracades, drums flashing arrows, warning lights and sandbags

Safety Storage
2380 S Bascom Ave
Campbell CA 95008
408-559-3901
800-344-6539
Fax 408-559-3218
Hazardous chemical storage buildings

ServiceMaster LawnCare
855 Ridge Lake Blvd
Memphis TN 38139
901-684-7560
Franchised lawn & tree care

★Telmark Inc
Box 4943
Syracuse NY 13221
Agri-lease

Trojan Battery Co
12380 Clark St
Santa Fe Springs CA 90670
213-946-8381
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Across the country, Pennant's performance in turf trials speaks for itself. Pennant is a true champion. Pennant has rated best over other varieties of perennial ryegrass, including overseeding dormant Bermuda grass, extreme heat-drought stress, resistance to sod web worm, winter injury, red thread and brown patch disease.

Pennant was also found to maintain its excellent turf color and quality late into the season. Pennant will impress you with its rich, moderately dark green color, its fine leaf blades and its improved mowing properties.

When your reputation counts on the turf you grow . . . the obvious choice is Pennant.

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(503) 357-2141 • Telex: 36-0274
Cable: Burlingham
FAX: (503) 359-9223

PRODUCTS

Computer system adds point of sale feature

Thornton Computer has developed the "Smart" Point-of-Sale register to its Slice 5 system for retail garden centers.

The new register includes a cash drawer, credit card reader, bar-code reader, receipt printer and pole display.

Circle No. 191 on Reader Inquiry Card

Software is designed for architects, contractors

Landcadd Light is a blend of Landcadd's most popular pieces of computer software for site planning, landscape design, and irrigation design, complete with the ability to do takeoffs and schedules.

Landcadd Light is said to be designed especially for architects, civil engineers and contractors.

Landcadd says the software was written to integrate with any architectural or civil package based on Auto Cad.

It is compatible with all third-party Auto Cad applications, including the other Landcadd modules. Layering is automatic, and time-saving keyboard macros are included.

Light also provides the tools to create an irrigation plan.

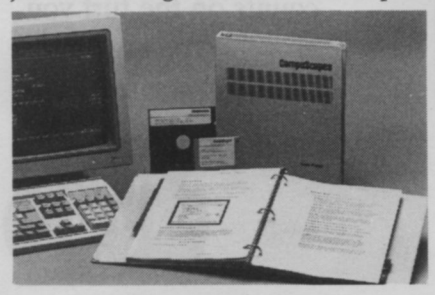
Circle No. 192 on Reader Inquiry Card

Job costing, estimating among many functions

CompuScapes has announced the release of its Landscape Contractor Software, version 2.0.

The new version includes Job Services, which allows for creation of schedules for maintenance, chemical application, or any other service your customer requires.

Job Services includes automatic job scheduling, standard service pro-



grams, job route sheets for crews, automatic invoicing on a "Per Service" or "Fixed Contract Basis," and total integration with the rest of the system.

CompuScapes will run on a single-user IBM compatible system, multi-user networks or multi-user Unix/Xenix systems.

Circle No. 193 on Reader Inquiry Card

Utility vehicles given innovative improvements

Columbia ParCar's Columbia Utilitruck and Columbia Shuttle have been improved for better field performance.

The Columbia Utilitruck now has a dump body. A single lever releases

the 13.8 cubic feet payload box, allowing it to swing to a 75° angle for easy unloading.

Standard features include four traction turf tires, a 14-gallon payload box, a durable payload box bedliner, and an exclusive safety directional key switch. The key switch feature eliminates having to operate directional levers.

The trunk storage feature of the Columbia Shuttle vehicle can be used for tools or luggage. The Shuttle vehicles have a standard lift-out battery pack tray for continuous use and an on-board automatic electric charger.

Circle No. 194 on Reader Inquiry Card

Time and expense tracking a feature

Timeslips, III, is a time and expense tracking, professional billing system that features a desk accessory timer module. Designed for lawyers, consultants, accountants and other service professionals, Timeslips III retails for $299.95. It tracks a total of 2,000 clients, 250 professionals and 250 activities.

When incorporated with the TSTimer, Timeslips can record time and expense charges and track all daily activities while using other applications.

TSReport produces invoices, reports, and graphs from the time and expense records created.

Standard productivity reports include client billing worksheets, billing history report, user-defined report, matter/project report, detail and summary report.

Circle No. 195 on Reader Inquiry Card

New suspension highlights golf car's many features

Yamaha's 1990 G8 Fleet Classic has been designed with the UltraPath three-link rear suspension system.

The system reduces the shock from bumps and changes in golf course terrain. The left and right wheels react much like the independent systems used by the auto industry.

The three links in the UltraPath system cradle the rear portion of the

frame, allowing the back axle to "float" semi-independently, thus reducing the amount of shock absorbed by the frame and the passengers.

Included are an independent A-frame front suspension system with variable coil springs and shocks on each wheel.

Circle No. 196 on Reader Inquiry Card

Utility vehicle line versatile and practical

The Club Car line of utility vehicles can be taken almost anywhere, and performs well in a variety of turf maintenance applications.

The Carry All II is a heavy-duty gas model powerd by a four cycle/341 cc engine. It comes with a durable double-walled aluminum pickup bed.

The Carry All I is ideal for small space operations as its self-adjusting rack-and-pinion steering allows for the tightest clearance circle of any four-wheel vehicle in the industry, according to Club Car, of 17'6". It is available in a gas or electric model.

The Tour All is the newest Club Car vehicle. It is a personnel carrier

COUNTDOWN TO GREEN INDUSTRY EXPO/90

THREE...TWO...ONE!

THREE GREAT ASSOCIATIONS...

You asked for it, and now its here – Nov. 12-15,1990! One Show for the lawn/landscape industry starring the "big three" of the industry -- the **Professional Lawn Care Association of America**, the **Associated Landscape Contractors of America**, and the **Professional Grounds Management Society**, have combined their separate annual exhibitions into one grand showcase of products. **Green Industry Expo/90** does away with the old 'Which Show offers the most for my business?' decision. Now there is ***one*** Show, bigger and better than ever, and your best opportunity to see all that's new.

TWO GREAT CONFERENCES...

Green Industry Expo/90 offers TWO separate conferences and educational programs to choose from. Register and attend the program that targets the specific needs of your business:

Professional Lawn Care Association of America

The 11th Annual PLCAA Education Conference will have a wide variety of topics including: Business Problems-Solving, Customer Satisfaction, Employee Retention, Health & Technology, Ground Water Issues, Management Techniques, Effective Pest Control Programs, Landscape Services, and Business to Business Roundtables.

Keynote Speaker Michael LeBoeuf talks on *'Winning Customers and Keeping Them for Life.'* Mail the coupon below today for details and registration information.

Landscape and Grounds Management Conference

This year's ALCA/PGMS Landscape and Grounds Management Conference features the latest information on a multitude of topics including: Training for the '90s, Customer Service, Plant Material That Warrants Attention, Maintenance and Cost of Utilizing Wild Flowers, Sports Turf and Strategies to Increase Your Bottom Line. The Keynote speaker, Allan Cimberg, will give a presentation, *'How to Sell in Tough Times to Difficult People.'* Mail the coupon below for more details and registration information.

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ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____

Clip and mail to: **GREEN INDUSTRY EXPO/90**
1000 JOHNSON FERRY RD., NE, SUITE C135, MARIETTA, GA 30068-2112
Phone: 404-977-5222 for information

NOVEMBER 12-15, 1990, NASHVILLE, TENNESSEE

GREEN INDUSTRY EXPO/90

IN CONJUNCTION WITH PLCAA EDUCATIONAL CONFERENCE AND ALCA/PGMS LANDSCAPE & GROUNDS MANAGEMENT CONFERENCE

available in gas or electric. The Tour All features a true balance suspension system with self-adjusting rack and pinion steering to deliver a true power steering feel and a 17'6" clearance circle.

Circle No. 197 on Reader Inquiry Card

Snow removal easy with plow attachment

A hydraulic angle dozer blade is great for snow plowing and other small-medium dozing jobs, says J.I. Case. The Uni-Loader attachment has a 21-inch high blade that cuts a 6-foot swath.

When operated at an angle, the plowing track is 5½-feet.

When used with the Case Coupler system, the blade is easily attached to Model 1835C, 1840C and 1845C Uni-Loaders.

Circle No. 198 on Reader Inquiry Card

Easy plant selection with new software program

PlantArc, Inc., of New York has introduced LandScapes, a program that allows landscape architects and designers, garden centers and nurseries to quickly and easily select plants for their home or business.

LandScapes has a data base which describes the characteristics and growing conditions of over 1600 commercially-available trees, shrubs, perennials, vines and groundcover.

Users can access the database by searching for selected plants by name, by design criteria, or by plants which match specific growing conditions.

"Our software is the most comprehensive landscape design product on the market because it was written and programmed by professionals in the fields of landscape architecture and botany," says James Greaves, chief executive officer of PlantArc.

Circle No. 199 on Reader Inquiry Card

Select and identify plants based on their description

The PlantDat is a new software package that alows the plant or landscape professional, researcher, nurseryman, or educator to select and identify plants on the basis of description, growing requirements, maintenance needs, and propagation methods.

PlantDat offers the landscape professional increased productivity with instant access to detailed information on over 900 plants, including xerophytes (drought tolerant), halophytes (salt tolerant), Mediterranean and semi-desert, and dry mid-latitude plants.

PlantDat is designed for use on an IBM personal computer, with 530 KB available RAM.

Circle No. 200 on Reader Inquiry Card

On-site recycling possible with vacuum

ReVac shreds, chips and loads landscape debris. Newly-designed intake hopper makes feeding lawn and

garden debris faster and easier. Prunings, saplings and small branches are processed at 5-feet per second while the rear chute will chop limbs up to three inches in diameter.

With an intake hose option, ReVac reduces leaves at a ratio of 8:1. Waste is recylced into mulch, ornamental wood chips or compost.

The secret to ReVac is free swinging hammers passing through circular grates where material is fed. It is pulled in with the vacuuming force created by six steel fan blades.

Circle No. 201 on Reader Inquiry Card

Utility vehicle sturdy, handles big payload

The Mighty Mark is a hydrostatic, all-wheel drive utility vehicle from Salsco.

The Mighty Mark is powered by a 20 hp, twin-cylinder Kohler engine.

The rugged vehicle features heavy duty boxed beam frame and double-walled tailgate/ramp.

The Mighty Mark carries 2,000 lbs.

in a 29-cubic-foot cargo bed.

Circle No. 202 on Reader Inquiry Card

Cultivator aerates, dethatches and edges

The mantis cultivator from Little Wonder features 9-inch wide spring steel tines that can weed shallow depths at 1 to 3 inches, or till up to 10-inches deep.

The one-piece gear housing has a grease fitting and the 2-cycle engine has electronic ignition for easy starting.

The cultivator is perfect for tight spaces, yet powerful and rugged enough for big gardens.

Optional attachments allow you to edge walkways, aerate and de-thatch

lawns, or trim shrubs.

Circle No. 203 on Reader Inquiry Card

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for the Entire Industry

Outstanding Solo Performances

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Nebraska

LANDSCAPE MANAGEMENT is written for golf course and landscape professionals, while LAWN CARE INDUSTRY satisfies the information needs of chemical lawn care professionals. Together, they provide total show and industry news coverage.

You could call their editorial and marketing teams "roadies," because they spend 50% of their time traveling to shows, tracking stories and getting candid perspectives from suppliers. Listed here is just a portion of the shows they'll be attending this year. Frankly, it's the only way to stay on top of late-breaking news and keep both books fresh and on the cutting edge of their market segments. This dedication makes them the authoritative voices on industry problems and opportunities readers need to be aware of...and explains why their competitors look like warm-up acts.

Play to a Sellout Crowd

When your product message appears in either LANDSCAPE MANAGEMENT or LAWN CARE INDUSTRY, your ad plays exclusively to loyal fans and earns rave reviews that will improve your bottom line. Call your LANDSCAPE MANAGEMENT or LAWN CARE INDUSTRY representative today to reserve space in the superstars of the industry.

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CLASSIFIEDS

RATES: $1.20 per word (minimum charge, $35). Bold face words or words in all capital letters charged at $1.45 per word. Boxed or display ads: $100 per column inch-1x (one inch minimum); $95-3x; $90-6x; $85-9x; $80-12x. (Frequencies based on a calendar year). Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add $15 to total cost of ad. Send ad copy with payment to Dawn Nilsen, LANDSCAPE MANAGEMENT, 1 East First Street, Duluth, MN 55802 or call 218-723-9505. Fax Number 218-723-9615.

BOX NUMBER REPLIES: Mail box number replies to: LANDSCAPE MANAGEMENT, Classified Ad Department, 1 East First St., Duluth, MN 55802. Please include box number in address.

EDUCATIONAL OPPORTUNITIES

MOVE UP IN THE GREEN INDUSTRY. 2 year AAS Degree program in Golf Course Superintending, Irrigation Management, Landscape Contracting and Park Supervision. Fully accredited, VA approved, expanded learning facilities, new equipment. Graduate job placement assistance available. For information contact: Golf Course Operations/Landscape Technology Department, Western Texas College, Snyder, TX 79549. 9/90

BUSINESS OPPORTUNITIES

Environmental Care Inc

CAREER OPPORTUNITY

Technical / Training person wanted to do field research and training with large maintenance contracting firm. Knowledge of landscape maintenance practices in western states desirable. Ability to work with others and problem solve is essential.

Please send confidential resume to:
Manager of Technical Services
Environmental Care, Inc.
825 Mabury Road
San Jose, CA 95133.

Realistically make $500-700 a day with a Lawn Aerator & a truck. Robin Pedrotti explains step-by-step how he turned his weekend summer job into a full business using the latest technology in aeration. Effective advertising and soil conditioner sales. You can make $40-90 an hour plus. $6,500 investment. Manual price $89.99. Special inside industry offer $39.99, ends Sept. 7, plus $4.50 P&H. Make checks payable: Robin Pedrotti, 3403 Dorchester Dr., San Diego, CA 92123. VISA/MC. 619-571-2884. 9/90

CURBMATE. The growth industry of the 90's is concrete landscape edging installed by the Curbmate machine. Excellent profits, low overhead, low start-up. $5,495. Call 801-273-3938. 9/90

LEARN Professional Landscaping and Gardening at home. Accredited program provides thorough training in all phases of commercial and residential landscaping. Certificate awarded. Free booklet describes program and opportunities in detail. Lifetime Career Schools, Dept. A-415, 2251 Barry Ave., Los Angeles, CA 90064. 9/90

WANT TO BUY OR SELL A GOLF COURSE? Exclusively golf course transactions and appraisals. Ask for our catalog. McKay Golf and Country Club Properties, 15485 N. East Street, Lansing, Michigan 48906. Phone (517)484-7726. TF

SELLING- BUYING- EXPANDING A GREEN INDUSTRY BUSINESS? Any size, any type, anywhere in the United States. Confidentiality maintained. Valuations, sales, mergers, acquisitions, analysis of operations. **NILSSON ASSOCIATES-GREEN INDUSTRY CONSULTANTS. (203-621-6199).** TF

CURB KING: Curbing machine that lays continuous concrete landscape borders. $2695.00. Low investment, high returns. For information call 303-434-5337 or write PO Box 40567, Grand Junction, CO 81504. 11/90

HELP WANTED

MAINTENANCE SALES/SERVICE REPRESENTATIVE. Progressive, 35 year old San Francisco Bay area firm seeking long-term employees. Horticulture background, related degree preferred, sales experience helpful. Send resume to: Personnel Dept., **CAGWIN & DORWARD,** 1257 Quarry Lane, Suite 145, Pleasanton, CA 94566. 415-462-8881. 9/90

WANTED - MANUFACTURERS REPRESENTATIVES AND DISTRIBUTORS - to represent a line of high quality hydroseeding tackifiers. For more information, contact PRSM, Inc. at (215)430-3960. 11/90

LANDSCAPE DIVISION MANAGER: well established, rapidly growing company seeks individual to take over for retiring manager. Individual must be able to run both a maintenance and a planting division simultaneously. Requires exceptional organizational/management skills as well as complete command of plant materials and maintenance techniques. For consideration contact David Gorter, 855 Skokie Highway, Lake Bluff, IL 60044. 708-615-0800. 10/90

Two positions are currently available with **United Turf, Inc:** 1) Superintendent needed for sod operation located in Louisburg, North Carolina, thirty miles outside of Raleigh. Must have previous sod production experience and turf related degree. Warm and cool season grasses currently under production. Excellent salary and benefits available. Send resume to the attention of the Director of Operations. 2) Assistant superintendent needed for sod operation located in Powells Point, North Carolina, at the gateway to the Outer Banks. Turf related employment history a plus. Degree in agronomy or turf related field required. Warm and cool season grasses currently under production. Excellent salary and benefits available. Send resume to the attention of the Director of Operations at United Turf Inc., Route 1, Box 170, Powells Point, NC 27966. 9/90

HELP WANTED: Manager for lawn and tree care division of large, full service landscape company. Must have related horticultural education and experience. Strong diagnostic abilities of tree and turf problems essential. Honest and enthusiastic personality required. Excellent future opportunity with company. Highly competitive salary plus benefits. Company established 45 years in the picturesque "Hamptons" of Long Island. Contact: Whitmore-Worsley, Inc., P.O. Box 10, Amagansett, NY 11930. 516-267-3756. *Equal Opportunity Employer.* 10/90

"AMERICANS ON THE MOVE" - Aggressive landscape company has immediate opening for a take-charge Chief Estimator. Experience required in estimating and bid preparation of large commercial, industrial and public works landscape, irrigation and site development projects. Permanent position with benefits. Salary commensurate with experience. Send resume to Mickey Strauss, American Landscape Companies, 7949 Deering Avenue, Canoga Park, CA 91304. TF

HORTICULTURIST for the City of Savannah, Georgia. Salary: $25,208 ann. + city benefits. Bachelors Degree from an accredited college in Horticulture + one yr. work experience in park maintenance supervision. Transcripts, valid GA driv. lic., background investigation, medical exam including supervised drug screen & possession of or ability to obtain pesticide operators license are required. Recruitment is open until position is filled. Apply to City of Savannah Personnel Office, 10 East Bay Street, Savannah, GA 31401. An EQUAL OPPORTUNITY EMPLOYER. 9/90

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Maui, Hawaii

Luxury resort developed on 18 acres amid dramatic landscaping and 1,800 feet of ocean frontage offers the ultimate challenge in Landscaping management. Located on the island of Maui, Hawaii, this facility features natural and manmade attractions such as a one half acre pool, waterfalls and lagoon as well as extensive gardens and wildlife.

Preferred candidate will have a two year horticulture degree, comprehensive knowledge of Pacific rim plant materials and water features management. A minimum of five years supervisory experience is required.

Please send cover letter, salary history, and resume to:

G.J. LeBlanc, Human Resources,
HYATT HOTELS
200 West Madison
Chicago, IL 60606
equal opportunity employer m/f

CREW LEADER FORESTRY/HORTICULTURE: The City of Rockville has an opportunity for an experienced crew leader to supervise forestry employees, perform maintenance of all municipal trees and major grounds. Candidates should have education and/or experience equivalent to an associate's degree in urban forestry/horticulture and three years of related experience with one year as a crew leader and ability to obtain a valid Class B driver's license. Pesticide applicator license and experience on a tree crew or in horticulture preferred. The City of Rockville offers an excellent benefits package including three weeks paid vacation, health/dental coverage, tuition assistance, life insurance, plus much, much more. The salary range for this position is $23,562-$30,072. To apply, please call 301-424-8000, extension 271 for an application. **CITY OF ROCKVILLE,** Personnel Division, Maryland Avenue at Vinson Street, Rockville, Maryland 20850. An Equal Opportunity Employer. 9/90

BOZZUTO LANDSCAPING COMPANY- An expanding firm in the Washington D.C., Virginia and Maryland markets is currently looking for qualified, career oriented professionals. Opportunities are available in the following departments: **COMMERCIAL GROUNDS MAINTENANCE:** Supervisors, Crewleaders and Crewpersons. **LANDSCAPE INSTALLATION:** Supervisors, Foremen and Crewpersons. **HYDROSEEDING AND EROSION CONTROL:** Foremen and Crewpersons. Benefits include vacation and sick leave, a super health care package, disability and retirement. Send resumes to: Thomas W. Davis, 15127 Marlboro Pike, Upper Marlboro, Maryland 20772, or call 301-627-6500. 11/90

LANDSCAPE MAINTENANCE SALES PERSON

GREEN THUMB ENTERPRISES, INC. a nationally ranked commercial landscape contractor servicing the Washington, DC; Philadelphia, PA; and Richmond, VA markets is now accepting applications for sales personnel for the Washington, DC area office. Applicants must have a minimum of 3 years management and sales experience in commercial landscape maintenance, preferably in the Washington, DC market. Excellent salary potential with comprehensive benefit package available to the right individual. Please send resume, complete with salary requirements and references to:

Green Thumb Enterprises, Inc.
2305 Old Ox Road, Suite #A
Sterling, Virginia 22170
Attention: M. Gerard Chauvin

KT ENTERPRISES, INC., a commercial landscape management firm servicing the Washington, DC Metropolitan market, is now accepting applications for all departments for the 1990 season and beyond. All positions offer excellent salary, health benefits, retirement and, most importantly, an incomparable opportunity to work in a quality organization that will continue to offer professional satisfaction. All applicants should be experienced. Please send resume to Martha Sharlot, KT Enterprises, Inc., 4001 Westfax Drive, Fairfax, VA 22021. LANDSCAPE MAINTENANCE: Floral Installation Specialists, Turf an Ornamental Specialists, Pruning Specialists, Maintenance Supervisors. LANDSCAPE INSTALLATION: Landscape Supervisors, Landscape Installation Foremen, Hardscape Specialists, Equipment Operators. IRRIGATION INSTALLATION: Installation Supervisors, Installation Foremen, Golf Course Irrigation Specialists. SALES: ALL DEPARTMENTS: Sales Representatives Designers, Estimators. 9/90

LANDSCAPE MAINTENANCE PRODUCTION MANAGER: Rapidly growing Central Florida Landscape firm seeking an experienced production manager with strong people and organizational skills. Experience with large commercial accounts and a sincere desire to build a business based on customer service a must. Strong Salary and Benefits. Must relocate to Orlando. Send resume to: Mr. Khalsa, 1174 Florida Central Pkwy., Longwood, Florida 32750. 9/90

Progressive, well-established landscape contracting firm in Michigan seeking aggressive, self-motivated individual to fill Assistant Superintendent position within our company. Person should possess a degree in Agriculture/Natural Resources (or related field) and have a strong background in Horticulture. Please send resume and salary requirements to: DeAngelis Landscape Incorporated, 22425 Van Horn Road, Woodhaven, Michigan 48183. 9/90

LANDSCAPE DESIGNER/SALESPERSON: Long-established design/build landscape firm has opening for landscape designer/salesperson. Three to five years design/build experience required. Send detailed resume to **HUNZIKERS INC.,** P.O. Box 397, Niles, MI 49120. 9/90

Landscape Supervisor: Established Michigan Contractor looking for self-motivated individual with 5 years minimum experience to manage crews and oversee landscape installation. Send resume and salary requirements to: DeAngelis Landscape Incorporated, 22425 Van Horn Road, Woodhaven, Michigan 48183. EOE. 12/90

FOR SALE

FOR SALE: TREE/LAWN SPRAYING TRUCKS. (2) 1990 GMC 5,000's (ISUZU WR 5's). 4 months old, 5 speed, diesel, 14 ft. flatbed, power steering, 2 year unlimited mileage manufacturers warranty. IPM set-up, 4 tanks (2-300 gal./1-200 gal./1-100 gal.). Dual hose reels-large Hannay reel 300 ft. 3¼" hose, John Bean 785 spray gun, small Hannay reel 300 ft. ½" hose/JD-9 spray gun, dual spray systems, 30HP Wisconsin engine, hypro pump Model D1504-39.6 gpm, Briggs & Stratton engine, hypro pump Model D50-12.7 gpm. Cost new $41,000 each, sell $31,000 each. ALSO (2) 1990 DODGE 350's, 7 year 70,000 mile warranty, 4 speed, V-8 engine, power steering, 12 ft. flatbed, 3 tanks (2-300 gal./1-100 gal.). Dual hose reels-large Hannay reel 300 ft. 3¼" hose/Bean 785 gun, small Hannay reel 300 ft. ½" hose/JD-9 spray gun, dual spray systems, 30HP Wisconsin engine/hypro pump-D1504-39.6 gpm, Briggs & Stratton engine/hypro pump-D50-12.7 gpm. Cost new $32,000 each, sell $21,500 each. Contact owner for details. 201-633-8398 days/516-331-4713 eves. Photos available for all trucks. 9/90

PORTABLE STUMP CUTTER - 14 or 16 H.P. Mag Kohler, 4 speed transaxle - 34 1/2" wide. Kinetic Stump Cutter, Inc. 1-800-422-9344. 9/90

1986 GMC Stake Body Truck, V-8, 4-spd. PS. PB, Casset, 11 ft. Body, 1,000 Lb. Hyd. Lift Gate, New Spare 24K, V.G.C. $10,900. 708-257-8608. 9/90

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Tuflex 300 gal. Fiberglass Pick-up Truck Tank w/5 HP Eng., Hydro. Pump, Elec. Hose Reel & Gun. G.C. $2,800. 708-257-8608. 9/90

NEW AND USED BROUWER EQUIPMENT: Mowers - VACS - Fork Lifts - Harvesters - and full line of replacement parts. Contact Glenn or Ed Markham at 1-800-458-3644. TF

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ZOYSIA MEYERS Z-52 SOD OR SPRIGS. EXCELLENT QUALITY DELIVERED ANYWHERE AT REASONABLE PRICES. ALSO ROW PLANTING AVAILABLE. DOUBLE SPRINGS GRASS FARM, SEARCY, AR. 1-800-458-4756. TF

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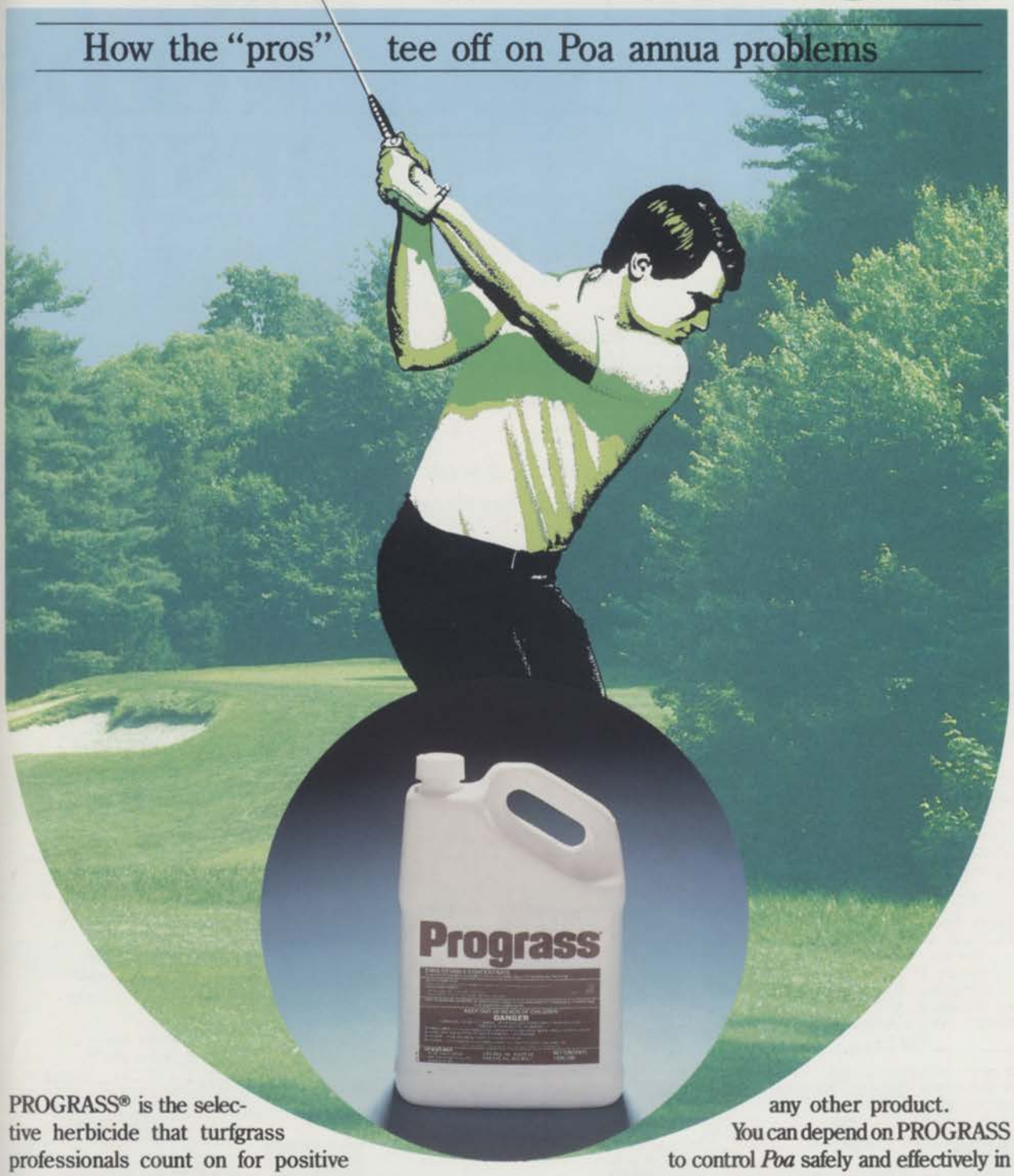

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